

# THE ILLUSTRATED LONDON NEWS

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1. THE WIDOWED EMPRESS OF JAPAN: HER MAJESTY HARU.  
3. THE NEW EMPEROR OF JAPAN: HIS MAJESTY YOSHIHITO, HARUNOMIYA.

2. THE LATE EMPEROR OF JAPAN: HIS MAJESTY MUTSUHITO.  
4. THE NEW EMPRESS OF JAPAN: HER MAJESTY SADAKO.

## ROYALTIES OF AN "ARABIAN NIGHTS" ERA: THE IMPERIAL FAMILY OF JAPAN.

His Majesty Mutsuhito, Emperor of Japan, who was born on November 3, 1852, succeeded to the throne in January 1867, and saw his country pass, with a swiftness suggestive of wonder-working of the "Arabian Nights," from a state of feudalism to that of one of the greatest of modern Powers, died at Tokio, after an illness of some length, at 3.23 p.m. on

July 29 (Greenwich time). The widowed Empress, who was married in February of 1869, was formerly known as Princess Haru, daughter of Prince Ichijo. The new Emperor, third son of the dead ruler, was born on August 31, 1879. In 1900 he married Princess Sadako, fourth daughter of Prince Kujo Michitaka. He has three sons.

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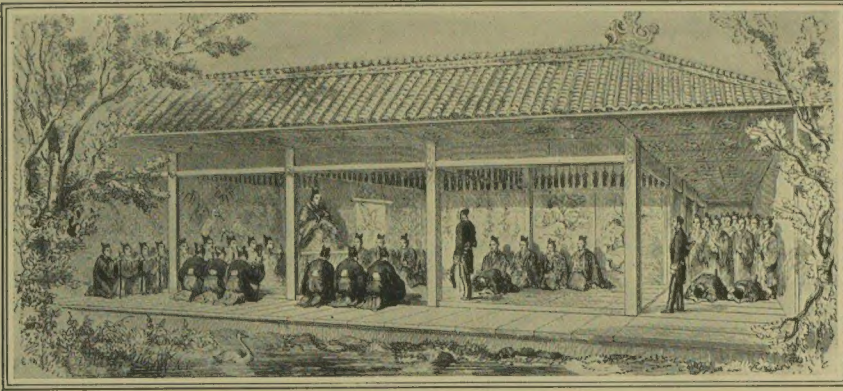


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# FROM FEUDALISM TO MODERNITY IN A REIGN: JAPAN'S TRANSITION.

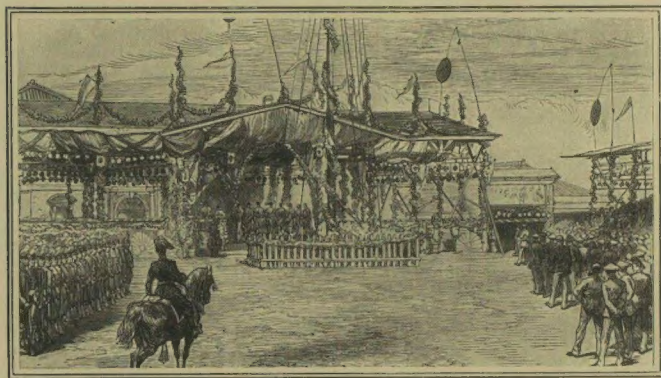
REPRODUCED FROM THE VOLUMES OF "THE ILLUSTRATED LONDON NEWS."



CONVEYING THE DESIRE OF QUEEN VICTORIA TO CULTIVATE RELATIONS OF FRIENDSHIP WITH THE RULER OF JAPAN: A BRITISH MINISTER RECEIVED IN STATE BY THE TYCOON FOR THE FIRST TIME, AT YEDDO (TOKIO), AUGUST 25, 1860.



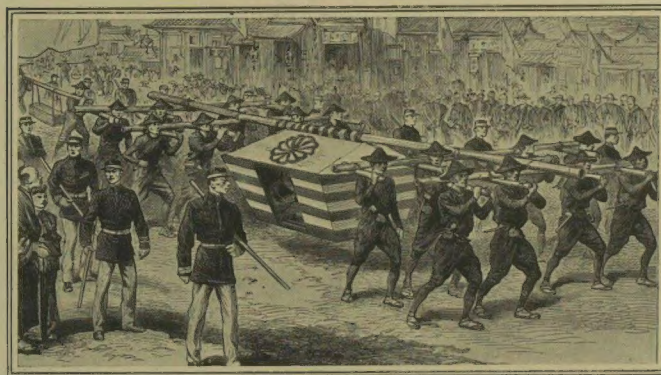
SIGN OF THE VENERATION IN WHICH THE EMPEROR WAS HELD: JAPANESE DOING HOMAGE BEFORE A PHOTOGRAPH OF THEIR RULER, 1878.



THE OPENING OF THE FIRST RAILWAY LINE CONSTRUCTED IN JAPAN—FROM TOKIO TO YOKOHAMA: FOREIGN RESIDENTS PRESENTING AN ADDRESS TO THE EMPEROR AT YOKOHAMA, OCTOBER 14, 1872.



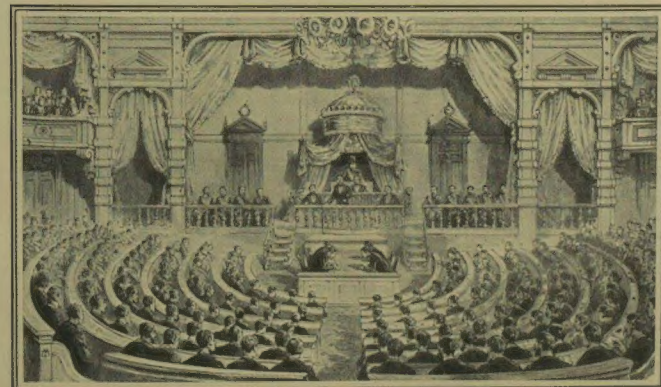
THE BEGINNING OF THE WESTERNISATION OF JAPAN: MR. MARSHALL READING THE ADDRESS OF THE LEADING MERCHANTS OF YOKOHAMA TO THE EMPEROR, AT THE OPENING OF THE FIRST RAILWAY IN JAPAN, OCTOBER 14, 1872.



IN THE OLD JAPANESE FASHION: THE EMPEROR JOURNEYING BY PALANQUIN, A METHOD PREFERRED, IN 1880, FOR PROGRESS OVER ROUGH COUNTRY ROADS.



AN EARLY ATTEMPT AT THE EUROPEAN: THE EMPEROR JOURNEYING IN NEW STYLE BY CARRIAGE, A METHOD PREFERRED, IN 1880, FOR PROGRESS IN THE STREETS OF TOWNS.



THE FULFILMENT OF A PROMISE MADE IN 1868: THE JAPANESE PARLIAMENT—THE OPENING BY THE EMPEROR ON NOVEMBER 29, 1890.



QUEER SIGNS OF THE INVASION BY THE WEST: A STRANGE MIXTURE OF COSTUMES, ORIENTAL AND OCCIDENTAL, IN JAPAN, 1873.

As we have had occasion to note under the photographs on our front page, the late Emperor of Japan saw his country pass through a veritable "Arabian Nights" transformation—from a feudal state to that of one of the great modern Powers. When he came to the throne in 1867 the Far East bore little kinship to the West, and he himself was regarded, as he was in less measure to his dying day, as semi-divine. So sacred was he then that it was said

that none might see his face and live. Homage was given to him as to a god, and on the few occasions on which he granted an audience his face was veiled. It was not long before such ceremonies fell into disuse, and Japan took the first step towards that Europeanisation which, later, was to progress with startling and unequalled celerity. The late Emperor of Japan succeeded to the throne in January 1867, and was crowned in October 1868.





By G. K. CHESTERTON.

SERGIUS, the High Pontiff in Macaulay's ballad, remarked of the secret of the Great Twin Brethren that "he knew, but might not tell." Several explanations of his silence might be suggested; as that he had in actual fact forgotten, being an elderly gentleman; or that the conduct of the Great Twin Brethren was not such as could be suitably described to the boys and old grey-headed men who kept the walls of Rome. But another and better explanation is that, like a true mystic, he knew the meaning of what he saw, but could find no words to embody it. This is the sound Greek meaning of a mystery, and the chief difference between a mystery and a mere puzzle. It is not merely that a mystery generally means something too large to be discovered, and a puzzle something too small to be discovered. It is also that a mystery is not a thing which we do not understand at all, but a thing which we partly understand, and about which we put our hand upon our mouth. The Pontiff probably felt himself really unequal to doing justice to the subject of Mars and Vesta; and left it to be partly uttered, as all such ancient enigmas have always been partly uttered, in emblem and ritual, in stiff dances or sacramental feasts. And among these ancient enigmas which, as the Pontiff felt, one can fully feel without fully comprehending is, of course, the very title of the Pontiff himself. "Pontiff" means a man who builds a bridge. Why a priest should be a man who builds a bridge is for pedants a puzzle: but for poets it is a mystery; a truth too large to be taken in.

The symbol of the bridge has a million aspects and applications; one of the plainest and least exalted is this. That all real civilisation is bridge-building, mental or material; the connecting of two things as yet disconnected and still quite distinct; the going from some definite place to some definite other place; and realising that they are different, while rejoicing that they are in touch. And this it is above all that distinguishes a real and creative civilisation, like that of mediæval Christendom, from all the barbarous jargon of anarchists and eccentrics. The simplest form of mental bridge is the bridge made by a sentence. If you read in your spelling-book, "The cat sat on the mat," you learn something in the last word of the sentence which you did not know from the first word. In spite of a somewhat monotonous assonance in the vowel-sounds, the sentence is a true development, as Newman would say. You are interested in the cat and you learn she was on the mat, not in the minding-machine or down the well, or in the cats' cemetery. And that sentence is the model and test of all words and systems which are properly to be called human: for the savage is not more but less human than the rightly civilised man. Now the disease of dullness in the great mass of modern philosophies, modern religions, and modern political rhetoric can be traced back ultimately to the mere fact that the sentences do not carry one any further. It is not merely that they parade polysyllables in a silly and pompous way. We should not mind long

words if they led us anywhere. Newton, in the instant of discovering the Calculus, Marconi in the excitement of solving the "wireless" problem, would be forced to use long words, but they would not think them dull. If a man has anything of interest to say to us, as, for instance, "Here's a fiver for you," we should find the essence of the observation sufficiently entertaining to be patient with him even if he preferred to say: "I am permitting myself the semi-impertinent gratification of embarrassing your financial calculations with the addition of a recognised legal

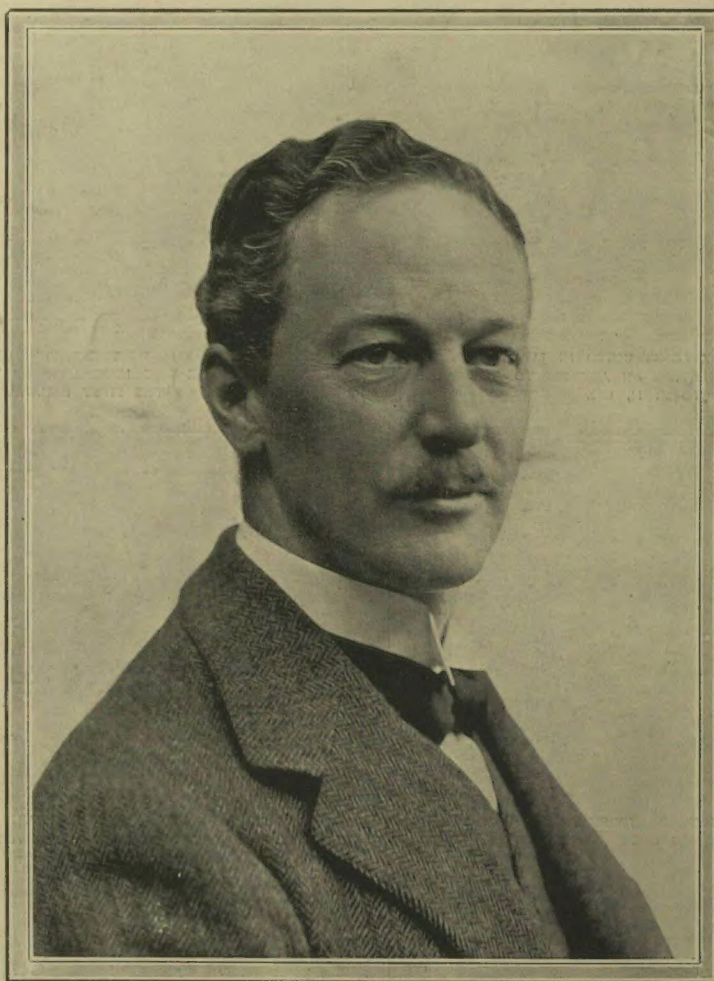
inconsequence that makes so much modern culture and "higher thought" so exasperating. The old domestic education consisted of saying: "The cat sat on the mat." The higher scientific education seems to consist in saying: "The cat is feline"—and being quite proud of being thus able to say in Latin that a cat is a cat.

Here is a passage reverently quoted from Mrs. Eddy by Miss Annie M. Knott. Miss Knott quotes it with particular *empressment* as a guide in theory and practice. "Never was there a more solemn and imperious call than God makes to us all, right here, for further devotion and an absolute consecration to the greatest and holiest of all causes." And Miss Knott adds, in a deepening voice, as it were, "And then Mrs. Eddy asks, 'What will you do about it?' " I shall do nothing about it. I shall point out to Mrs. Eddy that she has given me no data for doing anything about anything.

The precise truth about such a sentence is that nothing can be done with it. It leaves off where it began. It does not connect two ideas together; it is not a bridge. If Mrs. Eddy had simply written the word "God" six times in a row like a recurring decimal, it would have been just as enlightening. Of course, it is the most solemn and imperious of all calls if it is the greatest and holiest of all causes; of course, if it is the greatest and holiest of all causes the devotion should be fervent and the consecration absolute; of course, it is a solemn and imperious call if it is a call made by God for the greatest and holiest of causes. All these expressions are repetitions and merely mark time. How such a stagnant pool of verbiage as that sentence should attract anybody or anything, I confess is quite beyond me. So it is no good Miss Annie M. Knott fixing me with her iron eyes and asking me what I am going to do about it. What is Mrs. Knott going to do about it, if it comes to that?

But this poisonous platitude in the mind, this pride in saying the same thing in other words, is everywhere the mark of anarchy and decay. Few of its representatives are so funny as Mrs. Eddy; and many of them have been much more dignified and important. Many much higher sects and schools have worshipped a sort of false simplicity; insisting that the spiritual must remain the disembodied.

In all such cases, in two distinct senses of the word, the spiritual has always become immaterial. This has left a sort of sterility even in spirited and romantic religions like that of the Moslems. "There is no God but God" is an inspiring shout; but it is an identical proposition. Its theology is tautology. You can fight on it, but not build. And such people do not wish to build; their symbol is the snake with its tail in its mouth—not the bridge that springs out with wings of stone into the void and takes hold on a new land.



BRITAIN'S FUTURE BUILDER OF SUPER-DREADNOUGHTS: MR. E. H. TENNYSON D'EYNCOURT, NEW DIRECTOR OF NAVAL CONSTRUCTION.

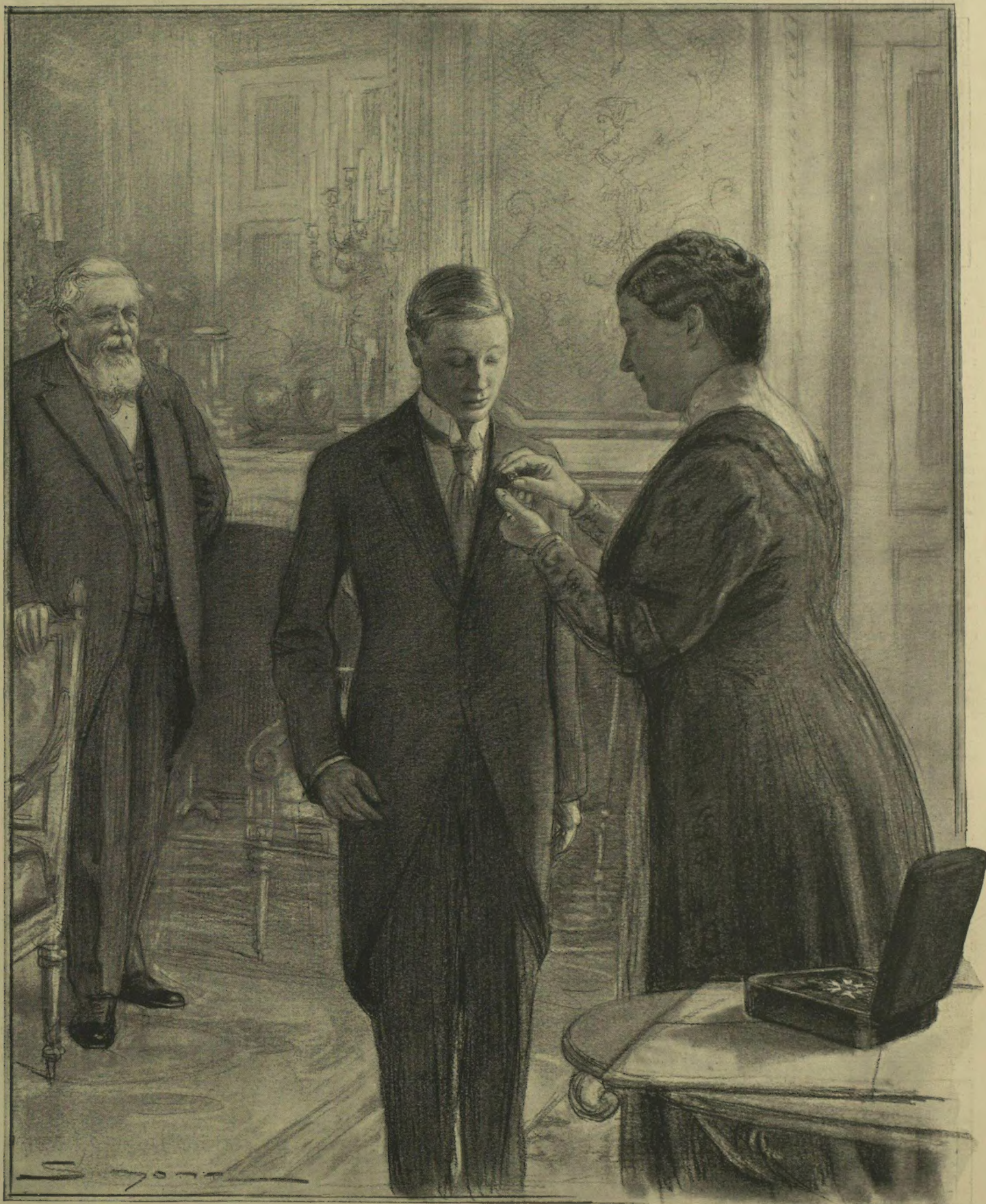
Mr. E. H. Tennyson d'Eyncourt, who has just been appointed to the high and responsible post of Director of Naval Construction at the Admiralty, in succession to Sir Philip Watts on his retirement, now enters the Government service for the first time. He has been at Elswick, with Messrs. Armstrong, Whitworth, and Co., in the Naval Construction Department of the great firm, for the past twenty years, except for temporary service for one year with the Fairfield Company on the Clyde. Recently on Sir Andrew Noble's retirement he was made a member of Head-works Board of Local Directors. He is a younger brother of the well-known Clerkenwell Police Magistrate, and a son of the late Mr. L. C. d'Eyncourt, of Market Rasen, Lincolnshire, also a Metropolitan Police Magistrate. In selecting Mr. E. H. Tennyson d'Eyncourt for the office of Chief Constructor of the Navy from outside the Admiralty, Mr. Winston Churchill and his Board have followed the precedent set by two former Admiralty Boards, who also, as it happened, in each case went to Elswick to make their choice. Sir William White was brought from Elswick to Whitehall in 1885, and in 1902 the Admiralty again looked to the great Northern shipbuilding establishment for Sir W. White's successor, Sir Philip Watts, whom Mr. Tennyson d'Eyncourt comes, again from Elswick, to replace. Mr. Tennyson d'Eyncourt is a newcomer to Whitehall altogether.

instrument representing, in our gold currency, the sum of five pounds." I think we could, most of us, stand it. But real dullness, insane dullness, the dullness of the void and the abyss, is found when the whole sentence only amounts to saying that a five-pound note is a note for five pounds. And that is the solemn



# JOINING THE LEGION: A "FAMILY" PRESENTATION OF A GREAT ORDER.

DRAWN BY J. SIMONT.



RECEIVING THE "UNDRESS" SIGN OF MEMBERSHIP OF THE LEGION OF HONOUR AT THE HANDS OF MME. FALLIÈRES: THE PRINCE OF WALES. THE NEW "GRAND CROSS," HAS THE ROSETTE PLACED IN HIS BUTTONHOLE.

After the Prince of Wales had lunched with M. and Mme. Fallières on the occasion of his farewell visit to the Elysée before the close of his visit to France, the President conferred upon him the Grand Cross of the Legion of Honour, handing to him a case containing the insignia of the decoration. A moment later, Mme. Fallières placed in the Prince's buttonhole the rosette which is the "undress" sign of membership of the Order and is worn both by Officers

and by Commanders. The whole ceremony was informal, suggesting a family affair. The Legion of Honour was created, in 1802, by Napoleon, then First Consul, who was the first Grand Master. Its present Constitution comprises Knights Grands Croix, Grands Officiers, Commandeurs, Officiers, and Chevaliers. The Head of the Republic is the Grand Chancellor of the Order. The Grand Cross is the highest honour within the gift of the President.





**LADY MARJORIE MANNERS,**  
To be Married to the Marquess of Anglesey  
on August 3.

in Grafton Street, London, was in his fifty-second year. He was the head of the ancient noble house of De Durefort-Civrac, which dates from as far back as 1305.

Mr. Ernest Craig, whose victory at Crewe bye-election caused such elation at the great Unionist rally at Blenheim, is a Cheshire man, a mining engineer, and a coal-owner. He has travelled widely, and is a strong believer in Tariff Reform.

Viscount Helmsley, who has just been elected to the Board of Directors of the North Eastern Railway Company, is the eldest son and heir of the Earl of Feversham. He has been M.P. (Unionist) for the Thirsk and Malton Division of the North Riding of Yorkshire since 1906.



**SIR PHILIP WATTS, K.C.B., F.R.S.,**  
Appointed Adviser on Naval Construction  
to the Admiralty.

Lord Fisher's Commission on the Supply of Oil Fuel for the Navy, and also Adviser on Naval Construction to the Admiralty—a new post now created for him. He designed and built the first Dreadnought, and introduced that class of battleship to the world.

Lord Knarborough, who has been appointed Chairman of the North-Eastern Railway Company, in the place of the late Right Hon. John Lloyd Wharton, sat in Parliament from 1880 down to his elevation to the Peerage in 1905.

Nazim Pasha, Turkey's new Minister of War, is a sturdy soldier of remarkable influence with the Army and a man of great energy and character, very popular at Constantinople.



**NAZIM PASHA,**  
The newly appointed Turkish War  
Minister.

**MR. ERNEST  
CRAIG, M.P.,**  
The new Member  
for Crewe.

*Photo. Sport and General.*

**THE** late Duc de Lorge, who met his death in very tragic circumstances in a lift accident at the residence of Mr. and Mrs. Arthur James,



**THE LATE DUC DE LORGE,**  
Killed by Falling Down a Lift-Well in London.

Sir Philip Watts, on his retirement from the Directorship of Naval Construction at the Admiralty, has been appointed to

## PORTRAITS AND PERSONAL NOTES.

**VISCOUNT  
HELMSLEY,**  
New Director of  
the North Eastern Rail-  
way Company. *(Photo. Lafayette)*

with the historic South Sea Bubble has attracted universal attention, is at the head of the medical profession in Liverpool, where he holds the important office of consulting physician to the Liverpool Royal Infirmary.

The Marquess of Anglesey (Charles Henry Alexander Paget), who is to marry Lady Marjorie Manners on Aug. 3, is in his twenty-eighth year. He was at Eton and Sandhurst, and served in the Blues for a time.

Lady Marjorie Manners is the eldest of the three beautiful and accomplished daughters of the Duke and Duchess of Rutland. She is one of the best-known and most popular of the younger women in Society.

Lord Devonport, whose position as Chairman of the Port of London Authority has brought him into antagonism with the leaders of the Thames strike, will be more familiarly known to most people, perhaps, by his former name, as Mr. Hudson Kearley, M.P. for Devonport for many years, and also Parliamentary Secretary to



**THE MARQUESS OF ANGLESEY,**  
To be Married to Lady Marjorie Manners  
on August 3.



**MR. W. H. WHITING,**  
Admiralty Superintendent of Construction and  
Contract Work.

the Board of Trade. He was raised to the Peerage four years ago.

Mr. William Henry Whiting, who succeeds Sir W. E. Smith, C.B., at the Admiralty, as Superintendent of Construction Accounts and Contract Work, has had a notable career at the Admiralty recently, as Assistant Director of Naval Construction. He is a gold medallist of the Institution of Naval Architects.

M. Henri Fabre, the venerable scientist whose writings on insect life are known far and wide, has, in consequence of a report of his straitened means in the newspapers, been awarded a literary pension of £80 by the French Government. The Paris Academy of Sciences has also awarded him a prize of 4000 francs.

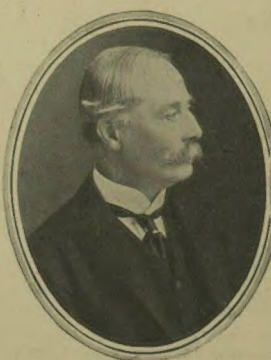


**RICHARD ARNEST (EX-CHAMPION).**

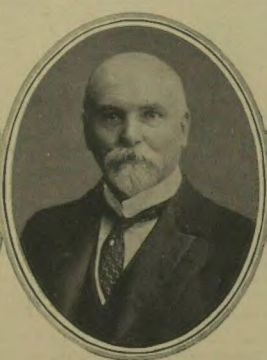
**ERNEST BARRY (CHAMPION).**

## THE WORLD'S PROFESSIONAL SCULLING CHAMPIONSHIP.

These photographs show the different styles of the scullers in the championship race on the Thames on July 29. Arnest, being a heavier man, takes a broader-built craft, and the beginning of his pull is much less than that of Barry, owing to the different form of leg-movement.



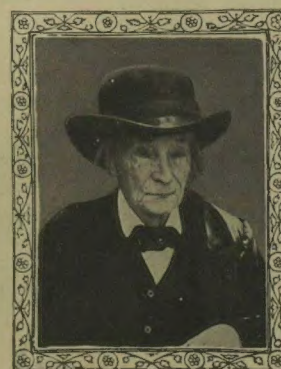
**LORD KNARBOROUGH,**  
The new Chairman of the North-  
Eastern Railway Company.



**SIR JAMES BARR, K.T., M.D., LL.D.,**  
The new President of the British  
Medical Association.



**LORD DEVONPORT,**  
For whose Death Ben Tillett  
"Prayed."



**M. HENRI FABRE,**  
"The Insects' Virgil," awarded a French  
State Pension.



## Rowing for a World's Championship: The Great Sculling Match.

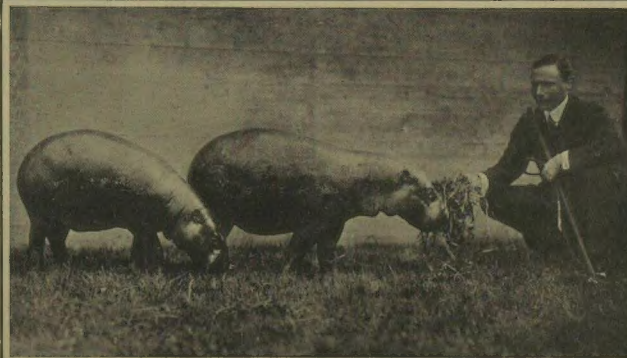
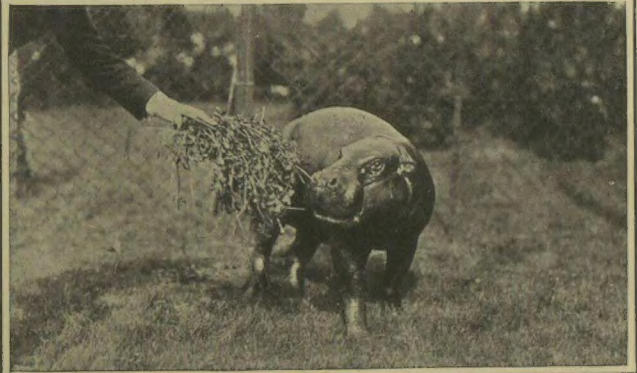


ENGLAND GAINS A PROFESSIONAL SCULLING CHAMPION OF THE WORLD FOR THE FIRST TIME IN THE LAST THIRTY-SIX YEARS:  
BARRY v. ARNST—THE MEN AS THEY SHOT HAMMERSMITH BRIDGE.

The great rowing match between Ernest Barry, of England, and Richard Arnst, of New Zealand, took place on the Putney to Mortlake course on July 29. Barry won and thus gave England a professional sculling champion of the world for the first time since J. H. Sadler was beaten by Edward Trickett six-and-thirty years ago. The contest is described as one of style against strength, and style was successful. The winner's time—23 min. 8 sec.—was very fast considering the weather conditions. The prize was £1000 and a handsome trophy. Barry,

who was born near the Victoria Docks just over thirty years ago, was apprenticed to an oar and scull maker, and was at one time employed in the Billingsgate fish market. Arnst was born at Christchurch, New Zealand, and is about eighteen months younger than Barry. He was brought up on a farm, did some cycle-racing, and then took up rowing. He became professional sculling champion of the world within two years of entering a racing-boat for the first time.—[PHOTOGRAPH BY NEWSPAPER ILLUSTRATIONS.]

## Hippos Little Larger than Big Pigs: Rare Animals Valued at Over £1000 Each.



SEEN BY A WHITE MAN FOR THE FIRST TIME RECENTLY AND BROUGHT TO EUROPE: SPECIMENS OF THE PIGMY HIPPOPOTAMUS.

For the first time the pigmy hippopotamus was seen recently by a white man, and no fewer than five living specimens were secured and brought to Europe by Major Schomburgk, acting for Mr. Carl Hagenbeck, of Hamburg. To catch them the Major had to make two dangerous and difficult trips into the heart of Liberia, and it was only during the second journey that

he secured the five, who had fallen into as many of the 200 traps specially set. The pigmy hippopotamus, each specimen of which is valued at over £1000, resembles the American tapir. It is not much larger than a good-sized pig and only weighs some 400 lb. full-grown. Major Schomburgk is seen in Photographs 3 and 4.—[PHOTOGRAPHS BY H. J. SHEPSTONE.]



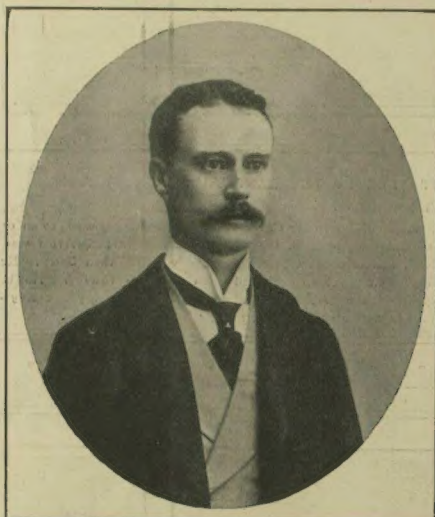
# AN ATTEMPTED MURDER PHOTOGRAPHED: SIR FRANCIS MAY ATTACKED.



A MOMENT BEFORE THE CHINAMAN RUSHED FROM THE CROWD AND FIRED AT THE GOVERNOR; SIR FRANCIS MAY AND PARTY BEING CARRIED TO THE CITY HALL.



WITH THE GOVERNOR SEATED IN THE CHAIR IN THE FOREGROUND; THE ARREST OF THE WOULD-BE ASSASSIN, THE MOMENT AFTER THE OUTRAGE.



FIRED AT BY THE CHINAMAN LI HON-HUNG; SIR FRANCIS MAY, GOVERNOR OF HONG-KONG.



SEEKING CLUES; SEARCHING THE WOULD-BE ASSASSIN OF SIR FRANCIS MAY, GOVERNOR OF HONG-KONG, ON THE SCENE OF THE OUTRAGE.



THE CROWD'S ANGER AT THE ATTEMPT; AN ENDEAVOUR TO LYNCH THE CHINAMAN WHO FIRED THE SHOT.



AFTER THE ATTEMPTED MURDER; THE PROCESSION CONTINUING ITS WAY TO THE CITY HALL.

When Sir Francis May, the newly arrived Governor, was proceeding to the City Hall of Hong-Kong to receive addresses of welcome early in July, a Chinaman in European dress rushed from the crowd and fired a revolver point blank at the Governor as he was being carried along in his chair, with his wife's chair abreast of his, and those of his daughters behind. A sergeant knocked up the arm of the would-be assassin, and the bullet, passing close to Sir

Francis's head, lodged in the canopy of Lady May's chair. The man was caught at once, and was in considerable danger of being lynched by the crowd. Subsequently, it was found that his name was Li Hon-Hung. Brought before the magistrate on a charge of shooting at the Governor with intent to kill, he pleaded guilty. The camera did more on the occasion. It disclosed an armed accomplice, who was also arrested.



## THE FAR EAST THAT IS DYING: PUPPET ATTENDANTS FOR THE DEAD.

PHOTOGRAPH BY MARCEL BRUGUIÈRE



FOLLOWERS OF A CORPSE WHOSE "PASSAGE" WAS PAID BY MONEY-THROWERS: DOLL SERVANTS OF PAPER AND BAMBOO CARRIED IN THE FUNERAL PROCESSION OF THE CHINESE PRINCESS TSIN.

So rapidly is the Far East being Westernised that there can be no doubt that in very few years to come such Oriental ceremonies as that here illustrated will be merely things of memory. The photograph was taken on the occasion of the recent burial of Princess Tsien, sister of one of the most important members of the Chinese Imperial family. The funeral procession passing through the Tartar city, Peking, was an extraordinary sight. The body, in

a heavy coffin, under a silken canopy, was borne by twenty-four coolies, and accompanied by money-throwers, whose duty it was to distribute "cash" that the dead Princess's passage to the other world might be fittingly paid. Also in the procession were the "servants" shown in the photograph, large dolls of paper and bamboo, holding the tea-bowl, tea-pot, and pipe of their mistress. These were burnt at the cemetery during the final ceremony.



## LITERATURE



ANNA COMNENA DICTATING TO HER AMANUENSIS.



MISS EMMA GURNEY SALTER.  
Whose new book, "Nature in Italian Art," has been published by Messrs. A. and C. Black.



MR. RAMSAY MACDONALD.  
Whose new book on "Syndicalism" is announced by Messrs. Constable.—[Photo Swaine.]



RICHARD DE BURY, BISHOP OF DURHAM, AMONG HIS COPYISTS & CALLIGRAPHERS.

## "Across Australia."

In a very few spots on the earth, we may still find traces of the prehistoric life of which geology tells us. The giant sloth lingered till recent years, and possibly yet lingers, in the trackless forests of South America; the flora of the Coal Measures flourishes to-day on the slopes of Ruwenzori; and in Central Australia there still live native tribes whose weapons and tools are made of chipped flint or ground and polished diorite, not readily distinguishable from the Palæolithic or Neolithic axes and knives found in every part of Europe. Reasoning from analogy, we may imagine that the life and habits of these savages must closely resemble those of our own remote ancestors of the Stone Age, and we owe a debt of gratitude to Professor Baldwin Spencer and Mr. F. J. Gillen, who for years have done so much to investigate and record the manners and customs of these fast-vanishing survivals of the past. Their earlier works are perhaps too scientific and technical for the general reader to appreciate, but their recently published book, "Across Australia" (Macmillan), gives a simply written and most interesting account not only of the natives, but of a land so wild and inhospitable that few Europeans have ever penetrated its remote

deserts. Natural history is not neglected, but ethnology is first in the minds of the authors, and as fully accepted and initiated members of the Arunta tribe of aborigines, they had opportunities, such as no other white men have ever had, of seeing the secret ritual of the savages and hearing their weird myths.

Among the strangest of these latter is the idea—which seems common to all the Central



DUE TO A CRUDE KIND OF THEORY OF EVOLUTION: AN EMU TOTEM "DRESS"—MADE OF BIRD'S DOWN; THE HEAD-PIECE REPRESENTING THE NECK AND HEAD OF AN EMU.

The Arunta believe that the original groups of human beings were made out of Inapertwa creatures, or incomplete human beings, who were in course of transformation from lizards, rats, parakeets, emus, trees, and so on. "The material object with which the human ancestor was thus closely associated, out of which, in fact, he was supposed to have been evolved, is spoken of as that individual's totem, and thus we see the earliest origin of totemic groups amongst these tribes."

Reproduced from Messrs. Baldwin Spencer and F. J. Gillen's "Across Australia," by Courtesy of the Publishers, Messrs. Macmillan.

Australian tribes—that men were originally developed by some kind of evolution from animals, kangaroos, rats, emus, lizards, frogs, and even from certain trees; and the tribe descended from such a transformation adopts the original animal or tree ancestor as a totem. Each member of the tribe is believed to be a reincarnation of some dead forefather, and this belief has led to an accumulation of mysterious totemic objects, known as "Churinga," each associated with the spirit of an individual ancestor, and so sacred that no woman or uninitiated boy may even see them; on pain of death if the offence is wilful, or of blinding if it happens by accident. Every totem group has its head-man, who is responsible for the increase of the animal or plant from



IN MEMORY OF THABALLA: A MAN PERFORMING A CEREMONY OF THE LAUGHING-BOY TOTEM, WARRAMUNGA TRIBE.

"Amongst the Arunta tribe all their original totemic ancestors are supposed to have died in the Alcheringa, and the same is true of all except two in the Warramunga. One of them is a curious creature known as Thaballa, or the laughing-boy, who can even now be heard laughing by anyone who goes to a place called Yappa-Kulinia."

From Messrs. Baldwin Spencer and F. J. Gillen's "Across Australia."



YOUNG MEN BEING RELEASED FROM A BAN OF SILENCE: THEIR ELDERS TOUCHING THEIR MOUTHS WITH A SACRED OBJECT. ARUNTA TRIBE.

"Before the ban of silence which existed between each of them [the young men] and the older man who had charge of him could be removed, he had to secure and present to the former a meat offering . . . after which the old man touched his mouth with a sacred object and he was free to speak."

From Messrs. Baldwin Spencer and F. J. Gillen's "Across Australia."



SOOTHING THE SIGN OF THE TOTEMIC ANCESTOR: STROKING THE DRAWING OF THE SNAKE ON THE BACK OF THE PERFORMERS IN THE CEREMONY OF IRRIMUNTA, WARRAMUNGA TRIBE.

"The other men clustered round them and bent their heads down, removing their head-dresses and then stroking the drawing of the snake. This little ceremony is called Irrimunta and is supposed to soothe the snake."

From Messrs. Baldwin Spencer and F. J. Gillen's "Across Australia."

which the group was evolved; thus the kangaroo men must keep up the supply of kangaroos, the emu men that of emus, and so on, by means of magic ceremonies and incantations. The laws of "group marriage" which prevail among the Australian natives form one of the most extraordinarily complicated social systems ever evolved by the mind of man, and we can only dimly realise the patience and perseverance with which the authors worked out this intricate matter among several tribes whose customs differed widely, although based on somewhat similar fundamental ideas. The subject occupies many pages of the book, but to give some notion of the system, we may instance briefly the case of the Arunta tribe, divided into four groups—Panunga, Purula, Bulthara, and Kumara. The first and second groups may intermarry, so may the third and fourth, but the child of a Panunga man and a Purula woman is a Bulthara, while the child of a Purula man and a Panunga woman is a Kumara. Similarly, a Bulthara man and a Kumara woman have Panunga children, and a Kumara man and Bulthara woman have Purula children. This by no means exhausts the possible complications, but those who wish to pursue the subject further must consult the book.

Many highly spectacular ceremonies are described, one of which, the fire ordeal, which the young men undergo at initiation, must be intensely painful, although many other rites involve considerable suffering to those taking part in them. Several hundred photographs and some excellent coloured drawings bring vividly before the reader the scenes described, and by means of a photograph and cinematograph



COLOURED DOWN REPRESENTING COOKED AND UNCOOKED SEEDS: ELABORATE SYMBOLICAL DECORATIONS OF A PERFORMER IN CEREMONIES OF A GRASS-SEED TOTEM, AMONG THE KAITITISH TRIBE.

"Tungulla belonged to a grass-seed totem, and, out in a secluded spot in the scrub, he and other old men performed some of their sacred ceremonies. . . . Tungulla had his body decorated with a broad band of red down edged with white, that ran right over his head and down his back and chest. This represented uncooked seed, while red, circular patches of down, edged with white, on his chest and back, stood for cooked seed—made into flat cakes."

Reproduced from Messrs. Baldwin Spencer and F. J. Gillen's "Across Australia," by Courtesy of the Publishers, Messrs. Macmillan.

graph, the travellers were able to record the songs of the natives and their ceremonial dances. The old customs of the "black-fellows" have almost died out among those tribes which have been long in touch with the white man, and it is probable that never again will so complete a study be made of these ancient people as that which Professor Spencer and Mr. Gillen have given to the world. The Australian natives are fast disappearing, and will, no doubt, before long follow the Tasmanians into extinction, in which case little will remain of them, save their rude stone implements. The authors have therefore preserved for posterity a unique and priceless picture of social life under the conditions existing in the Stone Age.



## WILD-CAT MEN; AND A BURNING BED: ORDEAL BY FIRE.

"TO ANTHROPOLOGISTS THE MOST VALUABLE SERIES OF PHOTOGRAPHS IN THE WORLD": THE AUSTRALIAN ABORIGINES.



BEFORE RECALLING THE WILD-CAT MEN'S ATTACK, YOUNG ARUNTA LYING DOWN WITH THEIR HEADS ON THE PARRA.



WRIGGLING OVER THE HOT EMBERS, YOUNG MEN OF THE ARUNTA TRIBE UNDERGOING ORDEAL BY FIRE ON SMOKING BOUGHS.

Of the two photographs here given, which illustrate ceremonies of the Arunta tribe, Messrs. Spencer and Gillen write: "When the young men returned to camp at sunset, they first of all saw one of the usual ceremonies and then lay down in a long row with their heads on the Parra mound." This was a prelude to throwing burning sticks over the heads of the women and children, and thus recalling to the mind an attack made in the distant past by wild-cat men, whose object was to kill and eat the people they attacked. On a later day the young men had to face ordeal by fire. "All but one of the old men . . . were making a fire of logs and branches, about three yards in diameter. When this was done they called the young men

up and placed green boughs upon the red-hot embers. Then, in batches of five or six at a time, the young men were made to lie upon the smoking boughs, which prevented them from actually coming into contact with the live embers beneath. No one might get up without the permission of the old men in charge, and each of them was made to remain on for about five minutes. Then . . . the old men decided to repeat the process. They made the fire up again, this time a good deal hotter . . . and . . . the young men lay down once more, wriggling about so as to prevent any one part of the body from remaining too long in contact with the hot boughs."



# "CLANSMEN"; "AVENGERS"; TOTEMS: DEATH BY "GIVING THE BONE."

"TO ANTHROPOLOGISTS THE MOST VALUABLE SERIES OF PHOTOGRAPHS IN THE WORLD": THE AUSTRALIAN ABORIGINES.



SEARCHING FOR IMAGINARY INSECTS: A WARRAMUNGA CEREMONY OF AN ANT TOTEM.



IMITATING GRIEF OF FRIENDS OF A MAN THEY WILL KILL: ARUNTA "AVENGERS."



"AVENGERS" ABOUT TO SET OUT TO KILL A MAN: AN ATNINGA PARTY DANCING ROUND THE SPEARS WHICH ARE TO BE USED.



UMBAIA RITES OF FLY, LIZARD, AND WALLABY TOTEMS.



"AVENGERS": A DANCE OF MEN WHO WILL ACTUALLY KILL.

As we note on "Literature" page, the Arunta believe that the original groups of human beings were made out of Inaspetwa creatures, or incomplete human beings, who were in course of transformation from lizards, rats, parakeets, ants, emus, trees, and so on. "The material object with which the human ancestor was thus closely associated, out of which, in fact, he was supposed to have been evolved, is spoken of as that individual's totem, and thus we see the earliest origin of totemic groups amongst these tribes, or rather the savage's idea with regard to their origin. . . These ancestral people started to wander across the country—lizard people along one track, kangaroo people along another, frog people along

another, and so on right through the various totemic groups." With regard to the Atninga, or avenging party, Messrs. Spencer and Gillen write: "Any death which is not clearly due to a wound received during a fight, or to an accident . . . is a mystery to the native because he has no conception of illness as due to disease . . . sooner or later, the relatives discover who placed the magic in the dead man's body [or, in other words, who 'gave him the bone' supposed to have been implanted in his body to cause illness or death by poison] and an avenging party, called 'Atninga' by the Arunta natives, is organised. Before the start, the avengers mimic the mourning of the relatives of the man they intend to kill."



# FIRE; AND EVIL-MAGIC STONE: CEREMONY; AND CORROBBOREE RITE.

"TO ANTHROPOLOGISTS, THE MOST VALUABLE SERIES OF PHOTOGRAPHS IN THE WORLD": THE AUSTRALIAN ABORIGINES.



rites ending in a kind of ordeal by fire; men with torches dancing before a bough wurley, WARRAMUNGA TRIBE.



WITH EVIL-MAGIC STONE BETWEEN HIS TOES: A PERFORMER REPRESENTING A MAN GIVING "MAUIA" TO A SLEEPER, ARUNTA TRIBE.

During the exceedingly grotesque, yet picturesque series of fire ceremonies enacted by the Warramunga tribe, which consists of two moieties, the Uluuru and the Kingilli, a bough wurley was built and "into this the Uluuru men went, accompanied by a few of the Kingilli, and for hours, packed closely together, they kept up a continuous singing to the accompaniment of the beating of boomerangs. . . . During the course of the morning the torches were brought up . . . and then twelve Kingilli men took hold of them and danced about in front of the opening . . . Each of the torches was at least twelve feet long and of considerable weight." Of the subject illustrated in the second photograph, the writers say: "Amongst the Kaitish,

Warramunga, and northern tribes generally, a very potent form of evil-magic, called 'mauia,' is supposed to be associated with certain special little stones. . . . When it is used amongst the southern tribes, the usual plan is to powder a little off on to the tip of a spear, and then to drop it very quietly on to the victim's body while he is asleep. Sometimes a little will be carried on a bit of bark between the toes, and may thus be dropped on to a sleeping man without exciting suspicion." A native in the act of doing this is represented in one of the scenes during the performance of the Illionpa corroboree (shown in Photograph 2).



# THE CEREMONIAL BURIAL OF A SINGLE BONE: WEIRD DEATH CUSTOMS.

"TO ANTHROPOLOGISTS THE MOST VALUABLE SERIES OF PHOTOGRAPHS IN THE WORLD": THE AUSTRALIAN ABORIGINES.



AFTER REMOVAL FROM A TREE-GRAVE;  
BURYING HUMAN BONES IN AN ANT-HILL.



AS IT IS FOR A YEAR OR SO: AN  
ADULT'S BODY IN ITS TREE-GRAVE.



BONES FROM A TREE-GRAVE BEING  
RAKED INTO A BARK DISH.



THE LAST WITH ARM-BONE IN PAPER-  
BARK: WOMEN CRAWLING.



DURING MOURNING: WOMEN CHALLENGING ONE  
ANOTHER TO FIGHT AND CUT THEIR HEADS.



LOOKING FOR A CLUE TO THE MURDERER:  
VISITING A TREE-GRAVE AT SUNRISE.

Messrs. Spencer and Gillen give a most interesting chapter to death, mourning, and burial ceremonies of the Warramunga tribe. On the occasion of one death "men and women, apparently frantic with grief, were rushing about cutting themselves with knives and sharp-pointed sticks, the women battering one another's heads with fighting clubs. . . . Without more than an hour's delay . . . the body was left on a platform built of boughs in a low gum-tree." Some few days later, the writers saw the men visit the tree-grave to examine the body in an endeavour to find a clue to the supposed murderer of the dead man. In such a grave the body remains for at least a year, guarded by its spirit. Then the bones are raked from

the tree, one of the arm-bones (a radius) is set aside, the skull is smashed with a tomahawk, and then all the bones, except the radius, are raked into a bark dish, for transference—in the cases the writers witnessed—to a white-ant hill, the top of which is knocked off, that the bones may be slid into the interior, and is then replaced. The arm-bone, wrapped carefully in paperbark, plays an important part in the final burial ceremonies, which are most elaborate and end in the smashing of the bone and its interment, after women have crawled under the straddled legs of men standing across a trench dug on the corroboree ground. The arm-bone is seen carried behind the back of the woman nearest the foreground in No. 4.



## A PRIMITIVE THEORY OF EVOLUTION: TOTEMIC SNAKE CEREMONIES.

"TO ANTHROPOLOGISTS THE MOST VALUABLE SERIES OF PHOTOGRAPHS IN THE WORLD": THE AUSTRALIAN ABORIGINES.



FOR A BLACK-SNAKE TOTEM OF THE WARRAMUNGA TRIBE: PREPARING  
A GROUND-DRAWING FOR A CEREMONY.



STROKING THE BASE TO APPEASE THE SNAKE: CEREMONY AT THE  
WOLLUNQUA MOUND, WARRAMUNGA TRIBE.

"The illustrations referring to the black snake, called Thalaualla, may be taken as fairly representative of a series of ceremonies connected with the Uluuru. . . . The decorations consisted partly of designs on the body—a curved red band very often representing the snake itself—and partly of ground-drawings. . . . Amongst the Arunta tribe all their original totemic ancestors are supposed to have died in the Alcheringa, and the same is true of all except two in the Warramunga. One of them is a curious creature known as Thaballa, or the laughing-boy . . . the other is a gigantic snake called Wollunqua. . . . The Kingilli men spent

the whole day, . . . building a most remarkable mound of sandy earth. . . . The old Worgaia man then outlined on each side a long waving band about four inches wide. . . . The whole mound was supposed to represent a particularly large sand-hill, by the side of which the snake stood up and looked around and with which he was in some way especially associated. The broad, wavy band was emblematic of the snake itself. . . . Only one or two of the older men had seen the like before. . . . This over, one of the Uluuru took a gum-bough and stroked the ground all round the base of the mound."





## WEST-TO-EAST: THE BAGHDAD RAILWAY.

AFTER a three years' halt the Baghdad Railway is going ahead. Two short lengths of new-laid line have already been opened to traffic. One runs from Bulgarli to Ulukishlar—a short advance into the Taurus foothills, which will be continued to the foot of the main range at Bozanti before next winter. The other leads eastward from Adana to the fort of the Giaour Dag, the ancient Amanus. Much earth-work has been done on other sections, and even permanent way has been laid. The railway is being made by sections. Nature imposes this plan. The Taurus, whose peaks rise above Bozanti to over ten thousand feet, will take some five years to cut, bridge, embank, and tunnel. The Amanus range will have to be tunnelled for a length of nearly six miles at the head of the Bagché Pass. Finally, the Euphrates, which runs at the point of projected passage three parts of a mile wide in flood-time, and deeper and swifter than the lower Nile, must be bridged.

The next section to be opened will be that from Aleppo to the Euphrates, about a hundred-and-twenty-five kilometres. Aleppo is not on the main through line, but on a short branch coupling the Baghdad system with the mid-Syrian railway, which was opened from Damascus and Hama to Aleppo five years ago. But since it is understood that the through trains will run into Aleppo and back again to the junction, the ancient capital of North Syria will become a railway centre of great importance. Leaving it on the

NEAR THE SPOT AT WHICH A STEEL BRIDGE WILL CROSS THE RIVER: THE MEDIEVAL JISR SAJUR. OVER THE SAJUR, A TRIBUTARY OF THE EUPHRATES. In the summer and autumn the Sajur is a mere rivulet, but in late winter and spring it can become formidable. Hence the fact that a steel bridge will replace the wooden structure set up temporarily for construction purposes.



SEEN FROM THE CITADEL OF CARCHEMISH, THE ANCIENT CAPITAL OF THE HITTITES: A GERMAN BRIDGE-BUILDERS' CAMP AT JERABLUS. For some half-a-dozen years Jerablus will be the most important advanced station on the new West-East route. Undoubtedly many will visit it in order to explore Carchemish.

and wall-mounds of Carchemish, now being excavated by the British Museum, rise on the river bank right in the line, but the engineers, in deference to representations made on behalf of science, and in view of the great depth of the channel under the citadel face, have abandoned their original project of continuing through the north-west gate of the ruined city and tunnelling the citadel. The track, as now projected, sweeps to the right after leaving the Jerablus Station, and passing under the face of the Hittite walls, runs to the river just below the site, but not beyond the long and massive revetment with which the Hittite engineers curbed the stream. This still serves its original purpose, and if the moderns must repair and strengthen it here and there in the interests of their bridge, may they deal tenderly with one of the most venerable creations of their craft in the world!

It is a curious vindication of the old truth that traffic tends *stare supra antiquas vias*, that Carchemish has been revived as (for a time, at least) the most important point on a great international route from West to East. Five years ago Jerablus was a remote spot enough, known only to a few archaeologists at large, and to the local authorities as a place of outlaws. Now it has a quite considerable European population, German, British, and Greek; it has offices, workshops, a hospital, trim camps, a garrison, tramways, steam-engines, and so forth. Last year leavened bread had never been made in the village, and no one had seen timbers thicker than a sapling larch. Now the peasants are handling



THE MODERN SIDE BY SIDE WITH THE ANCIENT: PILE-DRIVERS OF THE BAGHDAD RAILWAY BRIDGE AND THE HITTITE RIVER WALL OF CARCHEMISH.

The great citadel and wall-mounds of Carchemish, now being excavated by the British Museum, rise on the river bank right in the line, but the engineers, in deference to representations made on behalf of science, and in view of the great depth of the channel under the citadel face, have abandoned their original project of continuing through the north-west gate of the ruined city and tunnelling the citadel. The track, as now projected, sweeps to the right after the Jerablus Station, and, passing under the face of the Hittite walls, runs to the river just below the site, but not beyond the long and massive revetment with which the Hittite engineers curbed the stream.



THE FIRST STOPPING-PLACE AFTER MUSLAMIEH: AKHTERIN STATION UNDER CONSTRUCTION BY THE BUILDERS OF THE BAGHDAD RAILWAY.

north (the new station is opposite the gardens which lie before the British Consulate), the rails are carried high above the right bank of the Koweik river, till the first station, Muslamieh, is passed. There is to be no other station till Akhterin is reached some thirty-five kilometres farther on. Small villages lie beside both this station and the next, Choban Bey, about fourteen kilometres north-east. A horse-track from Aintab, crossing the line, will bring an important centre, whose population is well over fifty thousand souls, within a day's journey of Aleppo. At about the ninetieth kilometre, the line descends by curves to the Sajur, a tributary of the Euphrates. This will need a steel bridge. For the present a temporary wooden structure, to serve construction purposes, is being erected just below the mediæval bridge, known as Jisr Sajur, whose three arches span the stream not far from the Hittite and mediæval fortress of Tell Khalid. The line continues to a station at Khalman, and later descends by the

easiest of gradients, and with scarcely a curve, through gently rolling lands to the Euphrates. The great citadel

piers for the construction bridge as big as the columns which once supported the roofs of the Hittite palaces; and when the steel bridge comes to be made, they will see things bigger yet.

The construction bridge is being made from the Jerablus bank at a point where two shoals or islands divide the great stream into three. The current swings across to the farther side, and for a long time the pile-drivers will find little difficulty in going ahead. The last quarter of a mile may prove no such easy matter, but it will be tackled during the low water of late summer and autumn. Once the construction trains can pass the Euphrates, the line will be pushed on rapidly towards Harran, much of the earthwork being already done. The projected route does not leave the river at once, but keeps on up the east bank for some miles towards Birejik, the chief place of crossing from Roman days to our own, and a long and easy valley will eventually lead it to the Mesopotamian plateau. D. G. HOGARTH.



ENGINEERING IN THE ANCIENT CAPITAL OF THE HITTITES: THE SITE OF CARCHEMISH AND THE BRITISH EXCAVATORS' HOUSE, JERABLUS.



# A NEST AS HATCHER OF EGGS: THE BRUSH-TURKEY'S INCUBATOR-MOUND.

DRAWN BY W. B. ROBINSON.



1. A BIRD WHICH FORESTALLED MAN BY A FEW HUNDRED THOUSAND YEARS: THE BRUSH-TURKEY AND ITS MOUND, IN WHICH THE EGGS ARE INCUBATED BY THE HEAT GENERATED BY THE FERMENTATION OF TWIGS AND DECAYING LEAVES.

2. THE NEST-INCUBATOR IN SECTION: A DIAGRAM SHOWING THE EGGS IN PLACE IN THE MOUND.

The brush-turkey, a distant relative of the grouse and pheasant, belongs to the mound-builders, or megapodes, and is remarkable in that it anticipated man as the inventor of the incubator by a few hundred thousand years or so. Two or more hens with the aid, perhaps, of a cock, build a heap of soil mixed with decaying leaves and twigs, six feet high and twelve or fourteen yards in diameter. A hole is then scraped in the centre of the heap, and eggs to the number of a score or so are deposited. Then the hole is covered up. In course of time, the heat

3. FULLY FLEDGED AND READY TO FLY: A BRUSH-TURKEY'S CHICK, WHICH HAS CUT ITS WAY TO THE WORLD BY MEANS OF ITS "EGG-TEETH," WORKING ITS WAY THROUGH THE HARD CENTRAL MASS OF THE INCUBATOR NEST-MOUND.

generated by the decaying vegetation hatches the eggs. The chicks, who have been living and batten on the food yolk, grow and shed their nestling down and develop their first suit of feathers whilst still within the walls of their ivory "cradles." When, at last, by means of their "egg-teeth," they cut their way out of the shell, they rest for a few hours in the mound; then they wriggle out, the quill-sheaths peel off and they can not only run but fly alone. An article on the subject will be found elsewhere in this issue.



*The Race-Meeting which Marks the End of the London Season: Goodwood—by Natural-Colour Photography.*

NATURAL-COLOUR PHOTOGRAPHS SPECIALLY TAKEN FOR "THE ILLUSTRATED LONDON NEWS."



1. THE STAND AND PADDOCK, FROM TRUNDLE HILL.

3. A CORNER OF THE PADDOCK, SHOWING TRUNDLE HILL.

2. THE RINGS, THE COURSE, AND THE LAWNS.

4. THE STAND AND THE COURSE, WITH TRUNDLE HILL IN THE FOREGROUND.

Goodwood Races—so called, we need scarcely say, from the park in which they are held—gained their first real importance in 1825, although they date from three-and-twenty years earlier. Goodwood Park was purchased by Charles, the first Duke of Richmond, from the Compton family, then resident in East Lavant, a village two miles north of Chichester. The racecourse is one of the most picturesque in the country, and the Downs, with the Solent beyond, make a perfect view from the stands. The meeting is generally accepted as marking the close of the London season.



# WHERE ENGLAND IS BEHIND GERMANY: THE ARMED LINER IN NAVAL SERVICE.

DRAWN BY CHARLES J. DE LACY.



1. A LINER AS AN AUXILIARY CRUISER OF THE BRITISH NAVY IN TIME OF WAR: A MAIL STEAMER ENGAGING AN ENEMY'S TORPEDO-BOAT WITH HER 3-INCH GUNS.

A question which, it was stated in Parliament recently, is at the present moment occupying the attention of the War Staff at the Admiralty is that of the arming of our larger mercantile marine steamers in the event of a sudden outbreak of war. At present a limited number of the big liners are "on the Admiralty List," subventioned for an emergency as "auxiliary cruisers," but they carry no guns. In case of a sudden outbreak of war they would have first to seek a home port and take on board their quota of light guns—three-inch twelve-pounders or four-inch thirty-one pounders mostly. Guns are kept in part in readiness, but

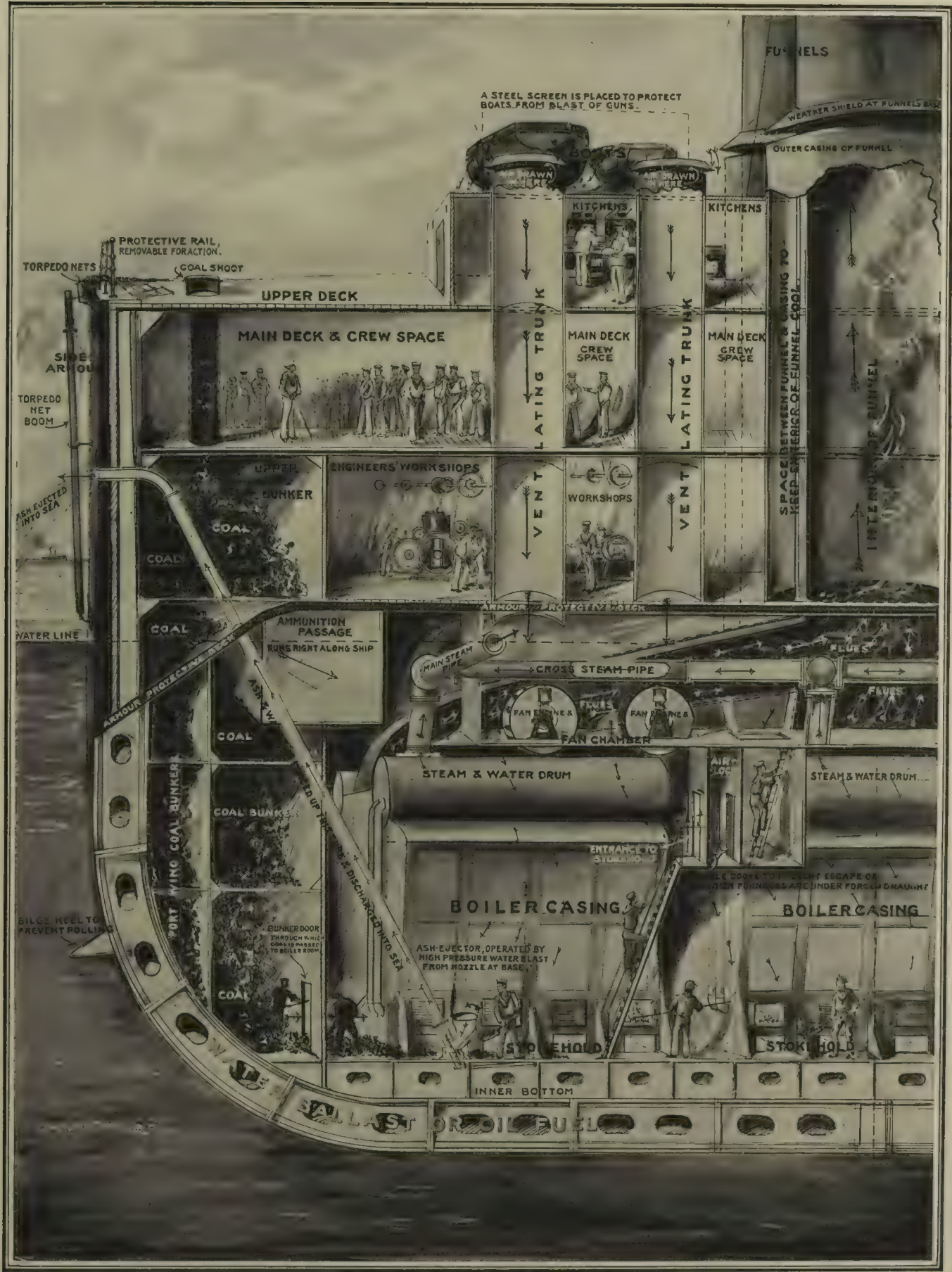
2. AS IT MIGHT BE IF BRITAIN FOLLOWED GERMANY'S LEAD AND HER BIG PASSENGER-STEAMERS CARRIED AN ARMAMENT OF GUNS AT ALL TIMES: MORRIS-TUBE PRACTICE WITH A 3-INCH GUN ON A LINER.

they would have to be mounted on board and supplied with magazines and ammunition before the ship could go to sea again. All the big German liners carry an armament of guns at all times, ready for mounting at sea on receipt of a wireless message of an outbreak of war—thus converting the vessels at short notice into fighting-ships ready to raid an enemy's commerce on the spot. One illustration shows the value such a light armament would be to a big liner in beating off a sudden torpedo-boat attack in home waters. The second shows how practice with Morris tubes might at any time in peace be carried out at sea on board a liner if carrying guns.



THE ARMOURD WALLS OF BRITAIN: A MAN-OF-WAR LAID OPEN.

DRAWN BY CHARLES J. DE LACY.



HIDDEN MYSTERIES OF A BRITISH SUPER-DREADNOUGHT: II.—THE BOILER-ROOM SECTION OF A BATTLESHIP.

We here continue the series we began last week of particularly informing illustrations designed to reveal to the lay mind those ever-fascinating things, the hidden mysteries of a British super-Dreadnought. In our issue of July 27, we dealt with the conning-tower section; here we have the boiler-room section; to follow are the engine, gun, and stern sections.



## SCIENCE AND

## NATURAL HISTORY

The Horsescope.

XVI<sup>th</sup> cent.SCIENCE  
JOTTINGS.

ABOUT POTATOES.

RUSTICATING in that charming corner of Scottish land known as East Lothian, and dwelling by the sea at the Mecca of the Golfer, one's thoughts are tempted towards the things of Arcady. There is no area I know which more forcibly appeals to the nature-lover in respect of fields and woods and pastures than this Scottish nook. The wooding is particularly varied, and the greenery all round us is luxuriant and fair to see. Besides, there is the magic of the sea to be laid to account of this favoured coast, and the blue

A WORLD-FAMOUS ENTOMOLOGIST WHO HAS BEEN AWARDED A STATE PENSION OF £201 M. HENRI FABRE, "THE VIRGIL OF INSECTS," AT WORK.

France—and the whole intellectual world—was recently shocked by the statement that the great French entomologist, Henri Fabre, now aged ninety, was practically starving in his cottage in Provence. Twenty years ago, when in straits for money, he sold, it is said, all his author's rights, and gets nothing now from his famous books, "The Life of the Insect," "Entomological Souvenirs," and others, though they still sell by the thousand. An appeal was made for him by the aged Provençal poet, Frédéric Mistral. He himself has denied that he is in want, but the French Government has awarded him a literary pension of £80 a year. Victor Hugo called M. Fabre "the Homer of insects"; M. Rostand, more happily, "the Virgil."

thus from a noted centre one of the most useful of human foods. In one sense the county might be styled

a potato paradise, for there is that in the soil of East Lothian, be it a bigger modicum of iron or what you will, which makes potato-growing here a matter of special attention and a source of agricultural profit of no mean extent. This east nook reminds one of another place where early and fine potato crops constitute an early harvest of the year. That place is in Ayrshire—Girvan way, to wit—where they grow the tubers with skill and success. "Dunbar Earlies," and other varieties are, of course, famous, but the contents of the carts heavily laden that saunter slowly in from Dirleton way, I fancy, must have some special designation which may range from "Dirleton Delights" to "East Lothian Prides." Whither the products of East Lothian husbandry ultimately land is no concern of mine, truly; but certain it is that of the literal "fruits" which in due season commend themselves to mankind as feeding materials, there are few rivals to be found to the tubers that grace our daily board. Schoolboys will tell us that Raleigh introduced

equally the potato and tobacco to the notice of his compatriots. Food-experts inform us that the potato contains about seventy-five per cent. of water, the remainder consisting of starch, minerals, and small quantities of more or less indigestible products. It is deficient practically in fat, so that the schoolboy condemned to a potato dinner will be wise if he bargains for a supplement of some form of fat to give him a more adequate meal. But as a useful addition to foods, such as meat

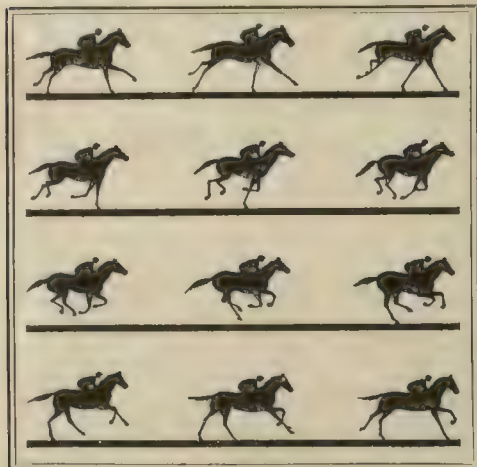
and fish, wherein no starch is contained, the potato finds its proper place, and, besides, it is of value by reason of the minerals it contains. Especially is it rich in potash. When Irish famines were frequent, and the poor souls were reduced to potatoes as their sole means of subsistence, there were starvation and emaciation, but there was no scurvy. This last is an ailment caused by a deficiency of potash in the diet.

The potato, regarded both as an ordinary plant and as a maker of starch, is, as most people know, not a root, to start with. It is a "tuber," which is to say that it is part and parcel of the stem, and none the less so because it happens to live below ground. We all know that ancient riddle which inquires why love resembles a

potato, the answer being, "Because it springs from the eye!" And

"eyes" are simply buds, which stems alone give forth and which are never seen on roots at all. The history of starch-making in plants is interesting enough. The raw materials are found in the plants' food—water, minerals, carbonic-acid gas, and ammonia. These materials are elaborated in the leaves through the

The Love Philtre.

XVII<sup>th</sup> cent.

MOVEMENT AS IT IS: A GALLOPING HORSE AS SHOWN BY THE CINEMATOGRAPH.

This picture, amongst others, is reproduced in "Popular Mechanics" to show how far swift motion "visualised" and set down by artists differs from the actual performance. That it serves its purpose very well is proved by comparison with the two reproductions of engravings which are given on this page.

waters of the Firth, clothed with its outliers of islands, with the historic Bass Rock at hand, and the Isle of May in the far distance, together make up a prospect whereof artists never weary, and wherein even simple souls may take heart and rejoice.

For days past, I have been meditating on a theme which seems removed by many degrees from the aesthetics of land and sea, but which none the less is



MOVEMENT AS THE ARTIST RECORDS IT: "THE COMING IN. ASCOT GRAND STAND"—AN ENGRAVING BY R. G. REEVE 1852

closely identified with the welfare of this corner of the Lothians. Day by day, they have been carting potatoes to the station in tons and tons, distributing

parcel of the stem, and none the less so because it happens to live below ground. We all know that ancient riddle which inquires why love resembles a



MOVEMENT AS THE ARTIST RECORDS IT: THE DERBY OF 1821.—FROM THE PICTURE IN THE LOUVRE.

operation of the chlorophyll and protoplasm contents of leaf-cells in the presence of light. Then comes the journey of the manufactured products to the tubers, where they are stored as starch, and form a kind of deposit receipt at the Bank of Nutrition whereon the plant can draw for sustenance. Even the commonplace potato, simply a mass of starch and water, nevertheless represents the result of energies vital, chemical, and physical.

ANDREW WILSON.



THE PRIMITIVE INSTRUMENT OF A GREAT ASTRONOMER: GALILEO'S TELESCOPE.

This instrument, used by Galileo, the famous astronomer who discovered Jupiter's satellites in 1610, noted the "mountains" of the moon, and remarked the sun's spots, has an honoured place in the museum at Florence, and is said to be that which he himself invented. Galileo, it may be noted, was amongst those who employed for celestial observations the refracting telescope invented by Hans Lippershey, spectacle-maker of Middleburg, in 1608. He modelled his instrument on Lippershey's.



## A STUDY FOR EUGENISTS: HEREDITY IN MICE — "WALTZER" AND ALBINO.

DRAWN BY OUR SPECIAL ARTIST, A. HUGH FISHER.



## FROM A SET OF SPECIMENS OWNED BY THE NATION: A SERIES OF MICE ILLUSTRATING THE RESULTS OF CROSS-BREEDING BETWEEN THE "WALTZING" MOUSE OF JAPAN AND THE COMMON "WHITE MOUSE."

Now that Eugenics is the topic of the hour, special interest attaches to this drawing, the material for which was provided by the set of specimens presented to the British Museum of Natural History by Mr. A. D. Darbishire. It is found that the "waltzing" character is not necessarily associated with the fawn and white coat of the parent type, but may be

exhibited by an albino (4), a grey (6) or a fawn-coloured mouse (10). On the other hand, individuals with coats of these several colours may be devoid of the "waltzing" character (5, 7, and 11). The characters of progression and those of pigmentation are thus inherited independently the one of the other.



# EMPIRE-MAKER; NATIONAL HERO; BATTLE OF NATIONS: IN MEMORIAM.

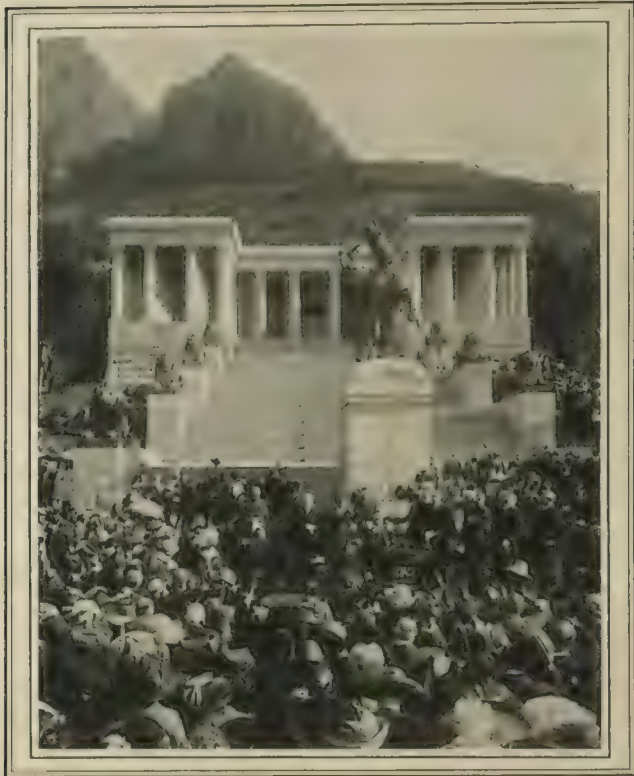


Photo. Keyser.

AFTER THE RHODES MEMORIAL ON TABLE MOUNTAIN HAD BEEN INAUGURATED, AND DOVES HAD BEEN SET FREE FROM THE "TEMPLE", THE CHEERING OF LORD GREY.

The Cecil Rhodes Memorial, on the slopes of Table Mountain, was unveiled by Lord Grey on July 4. It is just above a spot which was a great favourite with the Empire-BUILDER, and from it can be obtained a spacious view of Table Bay in the Atlantic to the north and of False Bay in the Indian Ocean to the south; also of the Cape Flats and the mountains which stretch for a hundred miles to the east and to the north. Inspired by the Greek Doric temples at Paestum, it is in agreement with Rhodes' own idea. Before it stands Watts's "Physical Energy," and flanking it are "Egyptian" lions by J. M. Swan. The architect, whose success is great, is Mr. Herbert Baker, who built Groote Schuur. Near where it stands Rhodes, had he lived, would have built a "Temple," which would have included a great enclosure for his lions and a large columned portico, designed to attract people to the mountain side. As Lord Grey formally inaugurated the memorial those present stood bareheaded and a flight of doves was freed from the "Temple."



Photo. Farrar.

WITH THE WREATHS PLACED BY RHODESIAN PIONEERS AND OTHERS, THE BUST OF CECIL RHODES IN THE RHODES MEMORIAL, DEDICATED RECENTLY BY LORD GREY.



Leipzig Press Bureau.

IN MEMORY OF THE VICTORY WHICH VIRTUALLY SECURED THE LIBERATION OF GERMANY; THE GREAT "BATTLE OF THE NATIONS" MEMORIAL AT LEIPZIG.

This great memorial, which has been in the building for some time and has been illustrated in various stages in this paper, commemorates the Battle of Leipzig, generally called "the Battle of the Nations," in which, it will be remembered, the Allied Prussians, Russians, Austrians, and Swedes, under Schwarzenberg, defeated the French, under Napoleon, in 1813, and thus virtually secured the liberation of Germany.



Photo. Record Press.

SET UP THAT THE GERMAN EMPEROR, ITS DONOR, MIGHT JUDGE IT: THE FRITHJOF MONUMENT ERECTED IN "LIFE-SIZE" MODEL FORM.

This model, set up specially for the German Emperor to see, represents the first form of a gift from the Kaiser to Norway, to commemorate his Imperial Majesty's twenty-fifth cruise to the Land of the Midnight Sun. The work, which is to be erected next year, is by Max Unger. Frithjof, the great Norwegian hero, is the subject of a famous Icelandic saga, assigned to the fourteenth century and relating his adventures.



## FROM THE WORLD'S SCRAP-BOOK.



Photo. Illus. Bureau.  
**VERY LIKE A BLAZING "SPOUTER": A BARGE OF TURPENTINE ON FIRE IN THE SURREY COMMERCIAL DOCKS.**

The first photograph given on this page shows a barge of turpentine on fire in the Surrey Commercial Docks a few days ago. It was impossible to put out the flames, but much water was played on the sides of the barge, to prevent the plates parting and the escape of blazing turpentine, which would, of course, have spread disaster. The first British Army aeroplane to be fitted with a gun made, recently, an experimental flight, during which some twenty rounds of ammunition were fired at imaginary objects on the ground below. The recoil of the quick-firer, which was manipulated by Mr. Wilson, had little effect on the steadiness of the machine, which was piloted by Mr. de Havilland. The gun works on a pivot. The "gunner" sits in a box-shaped seat in front of the pilot. It may be noted that a military authority quoted by Mr. Grahame White has said: "The duty of an aerial fleet armed and equipped for offensive warfare will be to put out of action an enemy's aerial force before it can carry out its rôle of reconnoitring—or attacking vital points of communication."



Photo. Illus. Bureau.  
**THE FLYING-MACHINE PREPARED TO TAKE THE OFFENSIVE: THE FIRST BRITISH ARMY AEROPLANE TO BE FITTED WITH A GUN.**



Photo L.N.A.  
**WHEN BEN TILLET "PRAYED" FOR THE DEATH OF LORD DEVONPORT, STRIKERS ASSEMBLED ON TOWER HILL.**

Much indignation was expressed in many quarters at the action of Ben Tillett, the Labour leader, who speaking on Tower Hill, recently called upon the assembled strikers to pray for the death of Lord Devonport, whom, on another day, he called "the Dictator of London, of England, of Parliament, of the Throne." Tillett's methods in this matter were repudiated by a majority of the Labour Party in the House of Commons, whose opinion was voiced by Mr. Will Crooks. In response to questions, Mr. McKenna said that the Labour leader's utterances did not constitute such an incitement to murder as would give foundation for an indictment.



Photo. Illus. Bureau.  
**PREPARING TO CLEAR THE SEA-WAY: HANDLING EXPLOSIVES FOR THE BLOWING UP OF THE WRECK OF THE P. & O. LINER "OCEANA."**



Photo. Illus. Bureau.  
**BEFORE THE EXPLOSION WHICH REDDENED THE SEA: EXPLOSIVES WAITING TO BE USED FOR THE BLOWING UP OF THE "OCEANA."**

It will be recalled that the P. & O. liner "Oceana," bound for India, was in collision four miles off Beachy Head, in March of this year, with the German steel barque "Pisagua." She sank six hours later, taking with her, amongst other valuables, some £750,000 in specie. The gold and silver thus lost gave divers many hours' work, labour which, fortunately, was successful. When the wreck was blown up the sea was reddened for some distance round, for the explosion, of course, freed all the wine in the vessel.



# RALLYING AT BLENHEIM PALACE: UNIONISTS IN FORCE; AND THE "GAIN."

PHOTOGRAPHS BY NEWS ILLUSTRATIONS, ILLUSTRATIONS BUREAU, UNDERWOOD AND UNDERWOOD, AND TOPICAL.



1. THE OPTIMISTIC ARMY: UNIONIST DELEGATES LISTENING TO THE SPEECHES OF THEIR LEADERS OUTSIDE BLENHEIM PALACE.

2. THE HOST AT THE RALLY: THE DUKE OF MARLBOROUGH SPEAKING—MR. F. E. SMITH ON HIS LEFT.

3. "WE ARE... STILL IN OPPOSITION, BUT IN THE HOUSE OF COMMONS WE ARE THE LARGEST PARTY": MR. BONAR LAW AT BLENHEIM.

4. BESIEGED BY THE "COLLECTORS" AMONGST THEIR FOLLOWERS: MR. BONAR LAW AND MR. F. E. SMITH GIVING AUTOGRAPHS.

5. "WE WILL SHORTLY CHALLENGE THE GOVERNMENT TO INTERFERE WITH US IF THEY DARE": SIR EDWARD CARSON AT BLENHEIM.

6. "IF THE PEOPLE ARE NO LONGER TO JUDGE FOR THEMSELVES, WHO IS TO JUDGE FOR THEM?" MR. F. E. SMITH AT BLENHEIM.

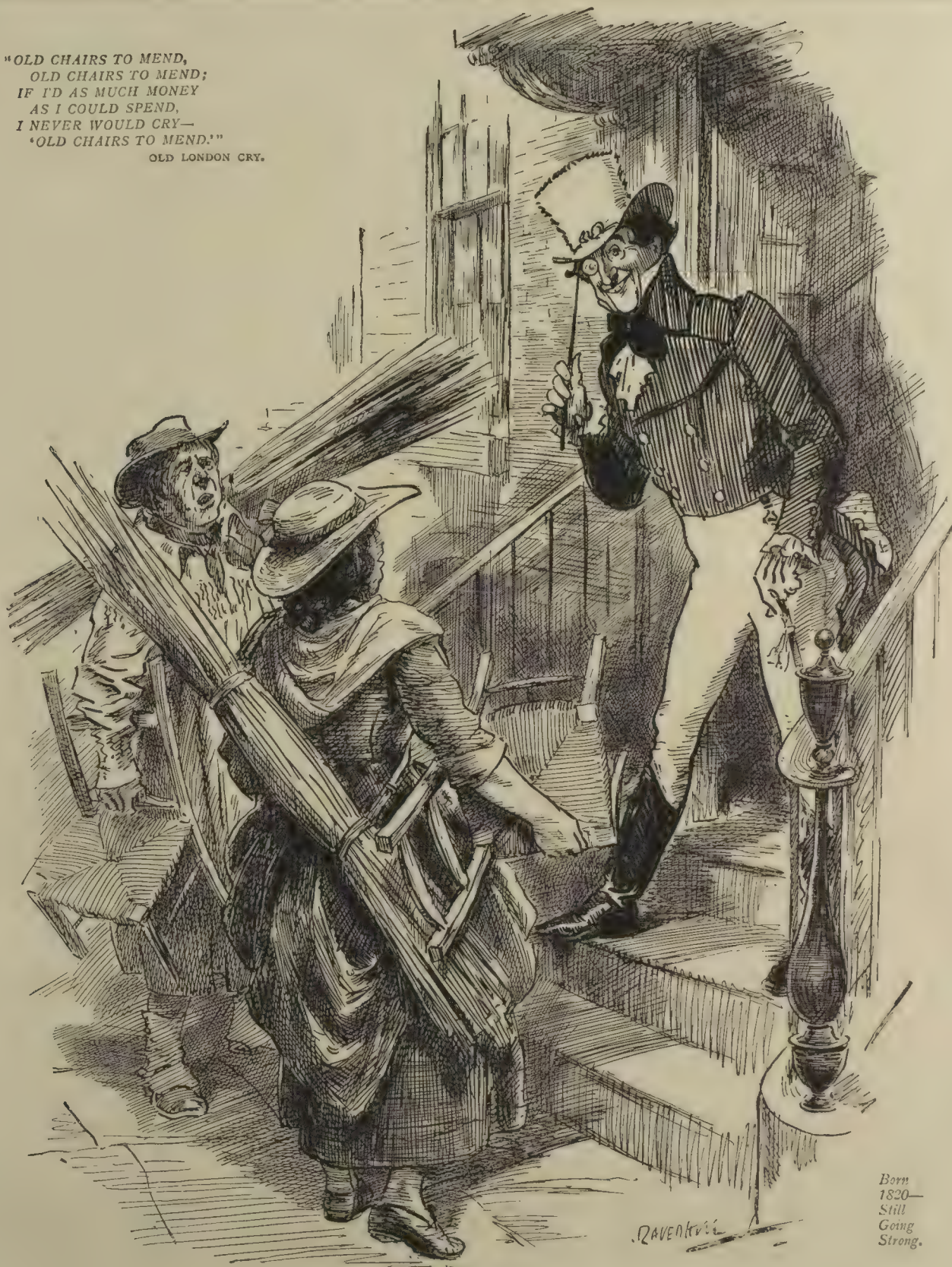
7. A "GAIN" HEARTILY ACCLAIMED AT BLENHEIM PALACE: MR. ERNEST CRAIG, WHO WON THE BYE-ELECTION AT CREWE FOR THE UNIONISTS, CHEERED BY HIS SUPPORTERS.

Blenheim Palace, the seat of the Duke of Marlborough, was the scene of a great Unionist rally on July 27, and "fighting" speeches were made by Mr. Bonar Law, Sir Edward Carson, and Mr. F. E. Smith. The Unionist leader in the House of Commons said, amongst other things: "Only the other day the Prime Minister of the United Kingdom was led captive to Dublin to grace the triumph of the man on whose support he ought not to depend." Later, speaking of Home Rule and referring, of course, to certain definite points, he said: "If the attempt be made under present conditions I can imagine no length of

resistance to which Ulster will go in which I shall not be ready to support them." Sir Edward Carson said: "We will shortly challenge the Government to interfere with us if they dare, and we will with equanimity await the result. We will do this regardless of all consequences, of all personal loss, or of all inconvenience." During the demonstration news came of the Unionist gain at the Crewe bye-election, and Mr. Ernest Craig's return by a majority of 966 over the Liberal candidate, and one of 3775 over the Labour candidate, was received with acclamation.



"OLD CHAIRS TO MEND,  
OLD CHAIRS TO MEND;  
IF I'D AS MUCH MONEY  
AS I COULD SPEND,  
I NEVER WOULD CRY—  
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## LADIES' PAGE.

EVERY kitchen ought to have a gas-stove for use in hot weather; it saves the cook's health and temper wonderfully. Cooks are sometimes careless about using the gas when they are allowed this invaluable auxiliary. Gas is costly, and such an apparently trivial practice as lighting it up before the pot or kettle is quite ready to go over makes a difference in the long run. But a good cook is careful about needless expenditure, and if one who can produce nice dishes is also wasteful and reckless, she does not deserve to be called a good cook, or kept or paid as such. A surprising number of educated women living alone now do their own cooking. It is not so much a question of saving a servant's wages as of avoiding the trouble and annoyance and waste that the girls too often cause. The number of women managing their own work in small flats will assuredly be added to by the new servant tax; and for the woman who cooks for herself, a gas-stove should be considered an indispensable tool. There is everything in favour of gas-cooking-stoves for a small party—for a big and elaborate dinner they are not so good—and nothing against them either on hygienic or gustatory grounds (except cost if recklessly burned), at all times of the year, and, above all, in hot weather.

An unfortunate prejudice exists in the minds of many mothers and nurses against giving a baby plain, cool water to drink. If the child cries with thirst, and thereby implores us (for "it has no language but a cry") to give it drink, it is a great mistake to offer it milk or else to refuse it anything at all. Milk is not a beverage, but a food; it goes into a soft, solid mass that needs digestion as soon as it is in contact with the gastric juice; therefore it should be given to the baby as a meal at fixed and regular intervals only. But in the meantime, the poor mite may be half-dying of thirst, and yet, from a ridiculous, ignorant prejudice, will be refused a few drops of water. "Moderation in all things," of course, is most necessary; but in this thirsty weather, a few spoonfuls of plain water, previously boiled to ensure purity, and then cooled again, is the baby's need from time to time; and often when it is crying, and nobody knows why, three teaspoonfuls of water, or a little more, according to age, will still the agonised wail and restore peace in the nursery.

Very pretty little soft caps are being worn by many girls at the seaside of mornings. Some resemble ordinary silk handkerchiefs knotted at the corners into shape to fit the head, while others, more dainty, resemble a Dutch bonnet in front, and are soft silk or gauze behind, enclosing the whole head. These last-mentioned are easily made; one gets a band of stiff millinery muslin, or leno, about three inches wide, shaped to fit round the front of the head, and covers it with silk or cashmere in a becoming colour, which may be embroidered or otherwise trimmed along the edges to fancy. Then the cap part of the head-gear is gathered and fitted in full folds on to the back edge of this band. A veil of the same silk or of gauze or chiffon



A SEASIDE FROCK.

A one-piece gown made in pink sponge cloth, with cuffs and panel of lighter pink trimmed by buttons and tabs of dark blue linen, and belt edged with blue.

is often attached to the back edge of the hood to keep the sun from the nape of the neck. A white dress is brightened capably by such a bonnet and floating veil in colour, or a becoming contrast can be achieved—a blue dress and pale-green bonnet, or a heliotrope batiste with a blue cap; or a bright plaid silk cap goes well with a pale-toned frock in any colour harmonious with the main colour in the plaid.

Sponge cloth is very successful for seaside and country little frocks. It is made either as coat and skirt or as a one-piece frock equally well. There is a homeliness about this bath-towel-like material that renders it little suited for smart frocks, and those that have black velvet revers and belt, or white tucked muslin vests and cuffs, are not so pleasing as the perfectly simple makes. The colours are good; a pretty old pink, with revers of plain mauve cambric and full frills of the same round the wrist and up the back of the arm to the elbow, that is going off to Cowes, is very effective; a bowler-shape pink-straw hat with two tall, white wings at the front is to be worn with the frock. The taffetas coats in bright tints, often shot with two vivid colours, so much used during the season, have revived for seaside gowns the fashion of a light skirt and darker coat; a natty little blue-serge coat is worn with a white-serge skirt this year; or a striped lawn skirt, say, in blue-and-white, appears with a little basque coat of blue sponge or summer ratine. Afternoon visiting or garden-party frocks differ little from those of the season, except that delicate muslins, either patterned or embroidered, are especially suitable for the country, and anything too elaborate is not in good taste. A black-and-white silk corsage and top of skirt all in one, with a deep band of shadow black lace covering white silk for the rest of the skirt, and at the back a black velvet panel on which the lace is caught at about the level of the knee by an enamel buckle in many colours, is a "Casino" dress for Trouville, but at English resorts we do not need such smart frocks merely for the hotels.

Desirable articles for the present season, both for visible wear and for the usual underclothing garments, whether of ladies, children, or men, are those made in the famous "Aertex Cellular Cloth." The idea of this weave is expressed in its name; the fabric is really a very fine network, in the tiny meshes of which the air is held, with the result of ventilating the body, and enabling perspiration to pass off without causing damp chills. This makes the Aertex Cellular garments at one time hygienic and most comfortable, especially in summer. They also wash easily and without being liable to be spoiled or shrunk in the laundry. While the undergarments (which are of every description, for men, women, and children's wear) are woven in a plain cream-coloured mesh, there are delightful artistic stripes and mixtures to be had for ladies' blouses and men's tennis-shirts. A full and priced catalogue, and also a list of the firm's agents, can be had by post by those who cannot call at the principal show-rooms, 417, Oxford Street, London, W.—FILOMENA.

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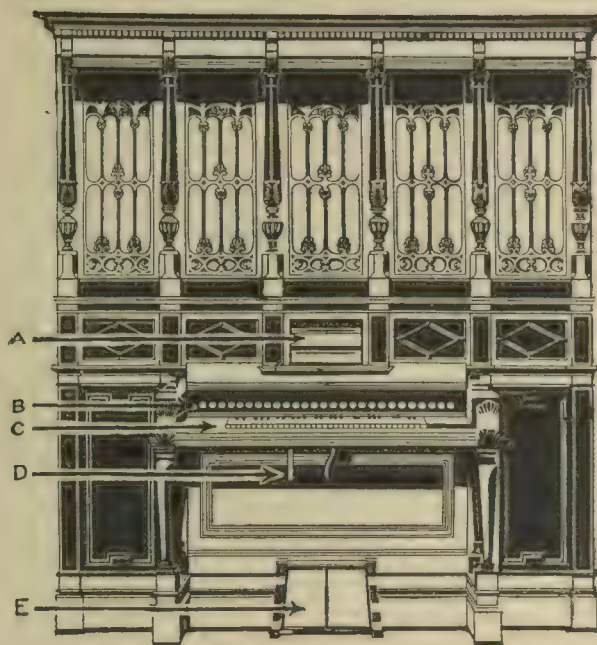
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## WILLS AND BEQUESTS.

THE will (dated Sept. 18, 1911) of COLONEL JOHN JACOB ASTOR, of Fifth Avenue, New York, who was drowned in the *Titanic* on April 15, is proved in London by James Roosevelt Roosevelt, the value of the property in England being £90,965. He gives the Rhinebeck and Newport Estates to his son William Vincent; \$5,000,000 to his daughter Ava Alice Muriel on her attaining twenty-one years of age; \$3,000,000 to his child, other than his said son and daughter; \$100,000, all horses, carriages, and motor-cars, and, during widowhood, the use of his mansion in Fifth Avenue, and the income from \$5,000,000 to his wife; \$30,000 to St. Paul's School; \$30,000 to James Armstrong; \$20,000 each to J. R. Roosevelt, Douglas Robinson, and Nicholas Biddle; \$10,000 to Robert H. M. Ferguson; \$25,000 to his secretary William A. Dobbyn; \$10,000 to his steward Thomas Hade; and the residue to his son absolutely.

The will and codicils of MR. WALTER STOWE BRIGHT McLAREN, M.P. for Crewe, of 56, Ashley Gardens, S.W., and Great Comp, Borough Green, Kent, who died on June 29, are proved by his wife, and brother Lord Aberconway, the value of the property being £16,798. Subject to the gift of a picture to his adopted daughter, he left everything to his wife, expressing a wish that she will give to his nephew, Joseph Victor Rabagliati, the engraving that hung in the Library of the Council of the Anti-Corn Law League; also engravings of Sir Robert Peel, Joseph Hume, Thomas Drummond, and Daniel O'Connell, "hoping that these will always remind him of the work done by his grandfather and great-uncle, and those who went before him for Free Trade, Cheap Corn, and Liberal Principles"; to Ewan Rabagliati, a mahogany cupboard which belonged to Jacob Bright, and in which he kept his snuff and medicines; and to his godson Neil Johnson Ferguson, an oil portrait of his father, "that he may always have

before him the man above all others, whom he should wish to be like and follow." He revoked this bequest to Mr. Ferguson, stating, "I do this because I believe he is not likely to be educated in those political principles which would make him venerate his great-grandfather"; and instead he left the portrait to his nephew Francis Walter Stafford McLaren, "because during his first election fight in the Spalding Division I learnt to love and admire him, and because I believe he has the true,

Harcourt Smith, the value of the property being £77,625. The testatrix gives £5000 to Sir C. H. Smith; household and personal effects and the income from £7000 to her adopted daughter, Mrs. Hutton; £3000 to Dr. Henry Sandifer, and £300 each to his daughters; £1000 to the Hon. Mrs. William Vernon; £500 each to Mrs. Emma Burch, Mrs. Mildred Lawson, Margaret Ethel Salter, the Rev. William A. Challacombe, and George Roach; £300 each to the

National Lifeboat Institution, the Royal Hospital for Incurables (Putney), Miss Weston's Sailors' Homes, and the Society for the Prevention of Cruelty to Children; legacies to executors and servants; and the residue to the children of her niece Martha Warner Colley.

The will of DR. JAMES SEDGWICK, of The Firs, Copse Hill, Wimbledon, and late of Boroughbridge, Yorkshire, who died on May 31, is proved by his sons, the value of the property being £55,375. He gives £1000, in trust, for his two sisters, and on the death of the survivor to the Church Missionary Society and the Society for the Propagation of the Gospel; and the residue of the property to his three children, his son Harold James bringing into account the value of property at Anstwick bequeathed to him.

To many working women of refinement, too poor to take a much-needed holiday and too proud to ask for assistance, the Necessitous Ladies Holiday Fund has proved a great boon, giving them a short period of rest by the sea, or in the country. An annual appeal is made on behalf of the Fund by Mrs. Constance Beerbohm, of 48, Upper Berkeley Street, W. She asks for contributions

to enable her "to send away governesses, typewriters, hospital nurses, secretaries, musicians, actresses, and ladies of gentle birth engaged in other professions, unable to provide holidays for themselves, and who, without the possibility of earning money in the summer months, are left behind in London."



AS CLOSELY PACKED AS A COLONY OF ANTS: THOUSANDS OF MEN, WOMEN, AND CHILDREN BATHING IN THE WANNSEE, IN THE IMMEDIATE VICINITY OF BERLIN.

Our photograph illustrates an extraordinary sight to be seen in summer time at the Wannsee, which, in the immediate vicinity of Berlin, provides the people of the Prussian capital with what is practically a seaside resort. Thousands of men, women, and children visit it daily, and the lake and its shore are crowded with bathers from as early as six in the morning until night falls.

intense political passion and convictions characteristic of my father, and also of the Bright family."

The will and two codicils of MRS. MARTHA ELIZABETH TAYLOR, widow, of 20, Kensington Palace Gardens, who died on May 10, are proved by Mrs. Sarah Elizabeth Hutton, Arthur Clavell Salter, K.C., and Sir Cecil



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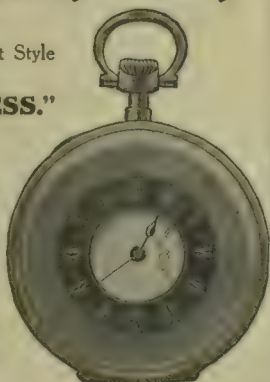
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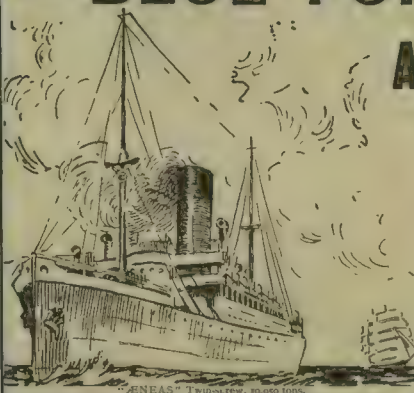
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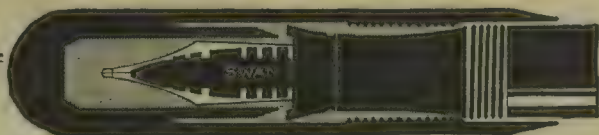
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immeasurable comfort for the man who  
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fine as the rarest of good company; its  
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its cool-smoking quality is a joy to all  
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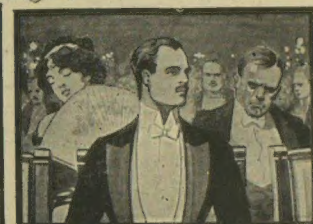
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as well as those suffering from

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bring relief by extracting from the blood and muscles the URIC ACID in the system, which, if not invariably the direct cause of these ailments, does much to aggravate them.

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SELF-CONTAINED, PORTABLE, SAFE.  
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**Poudre  
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FOR THE COMPLEXION  
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ALSO FOR THE NURSERY  
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HYGIENIC & PREPARED WITH  
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**LADIES TRAVELLING, MOTORING,**  
should protect their Skin from the injurious effects of **Dust and Heat** by using **ROWLAND'S KALYDOR** on the Face, Hands and Arms. It is most **Cooling and Refreshing** and prevents and removes Freckles, Tan and Sunburn, soothes and heals Insect Stings and Cutaneous Eruptions, and makes the Skin beautifully **Soft and Smooth**.

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ASK FOR  
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## THE CHRONICLE OF THE CAR.

**The Proposed Manx Road-Race.** It is perfectly astonishing—not to say a little amusing—to find so much unanimity of opinion among the writers on automobile topics with regard to the suggestion for a road-race in the Isle of Man next year. A year ago, half of them were, figuratively speaking, raising their hands to heaven and calling down curses on all racing save that of the Brooklands variety. But circumstances alter cases, and it is so much easier, withal, to float with the stream than to attempt to breast the current. In the



ONE OF THE FLYERS OF THE TROPICS: A WELL-KNOWN STRAKER-SQUIRE IN TRINIDAD.

This smart-looking Straker-Squire car, with its owner, Mr. Duckham, seated in it, making a halt by the way at Tabaguite, in Trinidad, is well known all over the island, where it has now been running for the past two years—ever since 1910, in fact.

spring of 1911, a little coterie, including myself, were working all they knew to assist the Douglas Celebrations Committee in the organisation of the road-race upon which the Island people had set their hearts; but we were up against what passed for vested interests, and the bulk of those whose business it is to nominally lead motoring opinion were against us. There was nothing in racing, said these critics. True, we had in times past learnt certain valuable lessons as a result of the game, but then that was in the dark ages when our constructors were groping for the light and lessons were to be had from every form of competition. But now, said they, when we know all that is to be discovered of the properties of metals and of

the design and functioning of the car and its organisms, what need to spend money on an expensive game like racing? It was a specious argument, and might have continued to hold good had not the Sunbeams done what they recently achieved in France! For my own part, I have never wavered from the opinion that racing is, and must remain for a long time to come, a quick road to the improvement of design. When last year's proposed race was ignominiously turned down by the powers that be, I said plainly that it was a mistake to leave all such enterprise to our neighbours across the Channel and to drive those British firms who still saw good in the game to compete on alien soil, where their chances of success are manifestly discounted by the distance from home. But the wisacres simply held the racing contingent to be of the order of the foolish virgins, and it has needed the sweeping victory of the Sunbeams to bring them to a different frame of mind. Now they are all shouting for a revival of road-racing, forgetful altogether of the virtues of consistency. If racing was a back number in 1911, most surely it is no less so in 1913, and it astonishes me to find that the whilom enemies of it have such short memories and so little of a due sense of proportion. But why quarrel with them, especially as they seem to have come round to the manner of thinking I have affected all along? The main question now, seeing that we are all more or less agreed, that a revival of the Manx races would be a good thing, is how best to secure the consummation. Personally, I do not see any better way than for the Manxmen to approach the R.A.C., offering the use of their roads and asking that another race should be organised. Then we may get things forward a little. Certain it is that neither the Club nor the trade will make any forward move in the matter.

#### A New Hurtu Model.

The Hurtu firm, represented on this



UNDER THE SOUTHERN CROSS: A 16-20 H.P. WOLSELEY IN NEW ZEALAND.

This car has been making a highly interesting and successful tour in New Zealand. It is shown crossing the bridge over what is known as "Brown's Cutting," on the road between Cheviot and Christchurch.

side of the Channel by Ariel and General Repairs, Ltd., have just introduced a new model, rated at fourteen

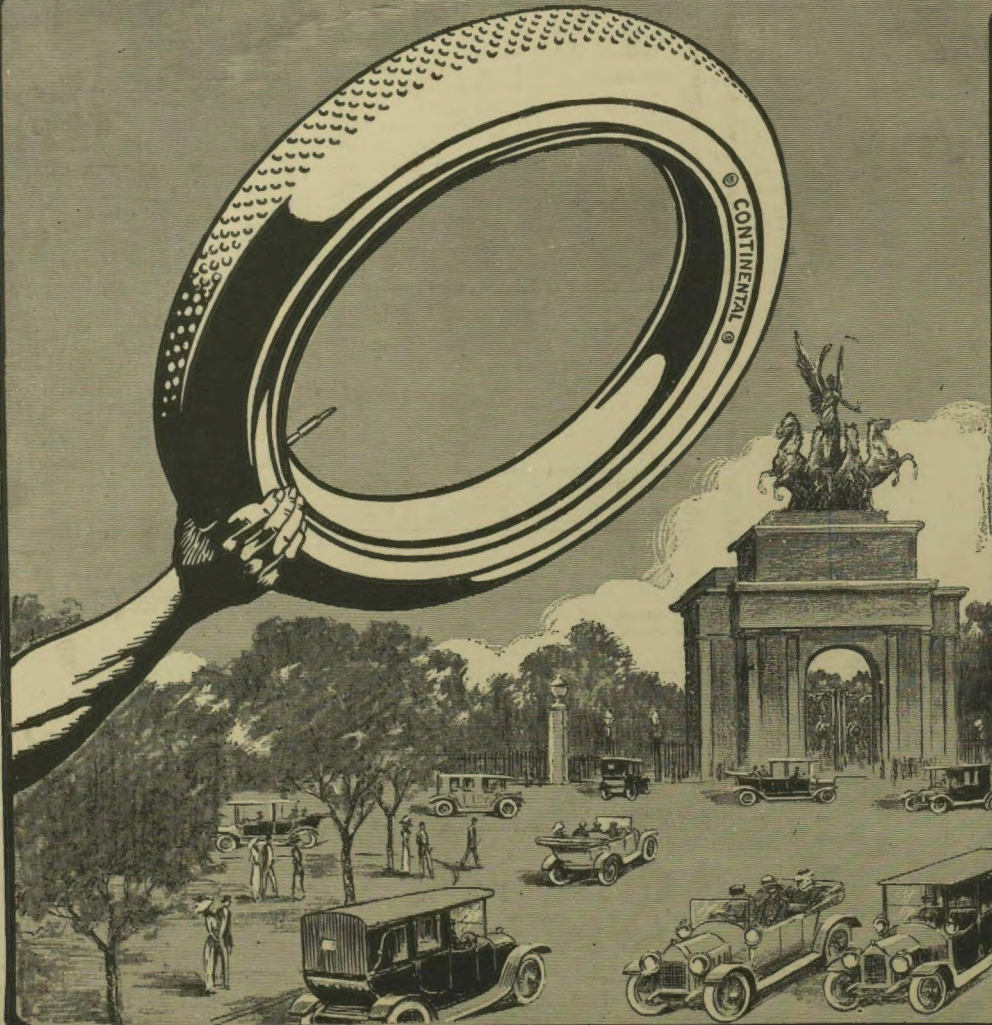
(Continued overleaf.)



THE CADILLAC TEST: CARS GETTING INTO SHAPE FOR THE ROAD.

Our illustration shows Mr. F. S. Bennett (on the left) busily occupied at the docks in superintending the fitting-up of tyres and wheels in readiness for hard work to come.

Photo. Randle.



Experienced  
Motorists—  
who insist  
on having  
the BEST—  
invariably

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**Continental**  
**RED-BLACK**  
**NONSKID TYRES**

The most durable  
and economical.

3 G, Albany, Piccadilly, W.

June 17th, 1912.

DEAR SIRS,—I had my 38 H.P. Daimler Car with me in New York for 6 months from October to April with a set of your Continental tyres on. These were not quite new when the car arrived in New York. I used my car continually, and I expect you will be glad to hear that during the whole of my stay there I never had to change a tyre. They have worn excellently.

Yours faithfully,  
(Sgd.) LEWIS WALLER.

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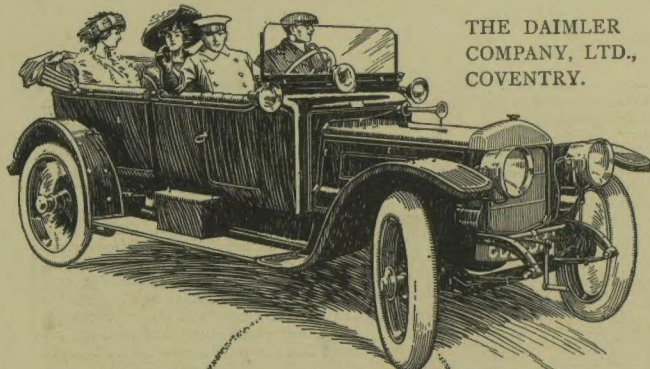


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A long journey in a badly sprung, badly upholstered and noisy car is not exactly a nerve tonic—in spite of fine weather and fresh breezes. As a rule, a journey of this kind is productive of what is commonly known as "that tired feeling."

A silent engine, a well sprung and beautifully upholstered car, and the thorough confidence which comes from absolute reliability are the elements necessary to make a long journey a real nerve tonic.

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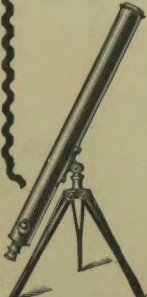
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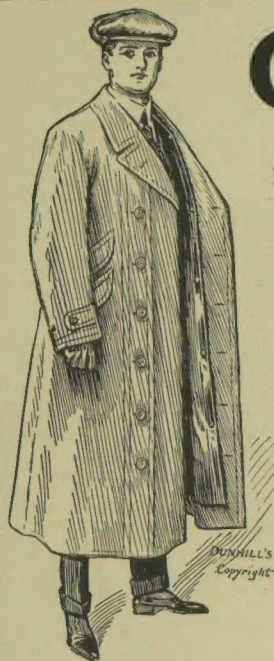
Prevents the decay of the TEETH. Renders the Teeth PEARLY WHITE. Delicious to the Taste.

Of all Chemists and Perfumers throughout the world. 2s. 6d. per Bottle.

FLORILINE TOOTH POWDER only. Put up in Glass Jars, price 1s. Prepared only by THE ANGLO-AMERICAN DRUG CO., Ltd., 5, Farringdon Road, London, E.C.

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With detachable Leather Lining.



Ideal garment for motoring and general use. With the lining removed, the coat is perfectly suitable for ordinary wear.

Made from Finest Irish Friezes and various Choice Cheviots.

Country customers are guaranteed perfect fitting by adopting our Self-measurement System.

Write for complete Illustrated Catalogue of Motor Clothing and Car Accessories.

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City Branch: 42-43, Lombard Street, E.C.

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No. 27.—Pair Ejector 12 cf guns, cost £100, price **£68** pair.  
No. 215.—Ejector 12 cf gun, cost £45, price **£29**.  
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No. 279.—Hammerless non-ejector gun, cost £14, price **£7 10s.**  
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Write at once for sale lists of guns, cartridges, and rods. Thousands to choose from, and all sent on approval. Sporting Gun Dept.—115, NORTHUMBERLAND ST., NEWCASTLE-ON-TYNE.

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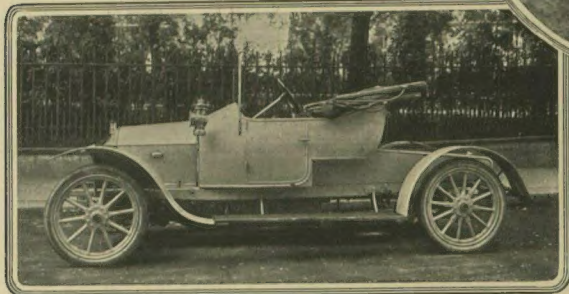
*Continued* horse-power, which I was given an opportunity of trying one day last week. It seems to be quite a good little car. The four-cylinder motor has a bore of 75 and stroke of 120 mm., and is a very compact, clean-looking job. Three speeds and reverse are provided by a gear-box of conventional type, with gate control, the drive being direct on the third, or top, speed. There is no need for me to enter into a lengthy description of the car, inasmuch as it conforms throughout to current practice, though I may remark that it seems to be exceptionally light for its rating, the chassis weight being but 11½ cwt. In order to gain this lightness, however, nothing seems to have been sacrificed from essential strength, and I must say that I rather like this new importation. So far as its running is concerned, it leaves nothing to be



**READY TO GO ANYWHERE: AN AUSTIN 18-24-H.P. COLONIAL TYPE.**  
One of the most notable of recent successes of the Austin Motor Co. is here represented in the shape of a very attractive 18-24-h.p. Colonial type Austin car, with Killarney phaeton.

motorist failing to provide himself with the latest and best. My own acquaintance with maps is of a very varied and wide-reaching description, but I have not found the ideal yet. They

all fall short in some way or other. Perhaps it is due to the limitations of the graphic art, or it may be through the failure of the map-maker to grasp what is essential, and what may safely be left out, but there it is. I have lately been looking through a series of maps sent me by the publishers of that excellent technical weekly, the *Automotor Journal*—it of the yellow cover—and they strike me as coming very near to the thing I want when I take my rides abroad. For example, I confess that I am a very child when it comes to finding my way out of London to the South, and I had never seen a map that really helped me until I found this one of the *Auto*. Then, like a good many more motorists, I sometimes play golf, and to that end I want to know where certain courses are situated, and how to



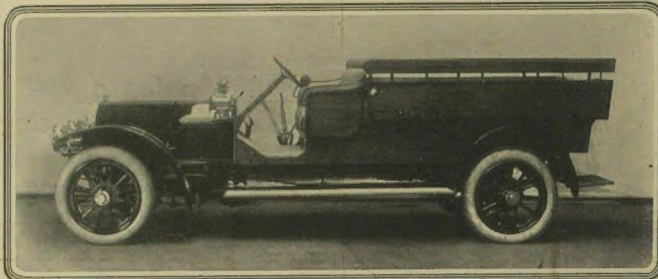
*Photo. Archer.*

**METALLURGIQUE'S LATEST: AN ATTRACTIVE 10-12-H.P. CAR.**

Metallurgique, Ltd., of 110, High Street, Manchester Square, have just placed on the market a noteworthy car in their new "10-12 Metallurgique." Its price is £295, and it has, perhaps, the smallest chassis of the year.

desired. Fast on the level, and very flexible withal, I should call the new Hurler an exceptionally good hill-climber—in fact, the turn of speed manifested up some fairly stiff gradients north of London rather surprised me. At the price of £245 for chassis with tyres, it strikes me as being very good value indeed.

**Maps for the Motorist.** Of the making of maps for the motorist there is literally no end, but in spite of the activity that prevails in this direction, there still remains a great deal to be done. I suppose almost every touring motorist has, not once, but many times, discovered that, full though his stock of maps may be, he happens to be short of just that one which would make for his complete happiness. That, I imagine, is rather more due to the conservatism of those who make maps than to the fact of the



**READY FOR THE USE OF THE GUNS: A SHOOTING-BRAKE BY MESSRS. MORGAN.**

This very neat and serviceable vehicle, for work of a special kind, has just been designed and built by Messrs. Morgan and Co. (Ltd.), of Old Bond Street and Long Acre, to the order of a well-known Cornish landowner, Mr. A. Francis Basset, of Tisbury.

**PERFECT FOR ITS PURPOSE: A 20-H.P. CAR BY MESSRS. BELL BROS.**

For comeliness and comfort combined this 20-h.p. car, recently turned out by Messrs. Bell Bros., of Ravensthorpe, for Mr. E. T. Ingham, a well-known Yorkshire mine-owner, should take a lot of beating.

get to them. Along comes the *Auto* to my assistance with a pair of maps, one showing all the courses within five-and-twenty miles of London, and another the principal courses of the two kingdoms, with main roads and the nearest large towns clearly set forth. Yet another shows me clearly all the routes from London to the coast.—W. WHITTALL.

Eton is turning its back on Latin and Greek, in the opinion of Mr. N. Burcher, who is retiring from the librarianship of Eton College, after nearly thirty years service there. "When I first came here," he said to a *Pall Mall* interviewer this week, "Latin and Greek reference books were largely asked for. To-day the boys devote much more of their time to the study of French and German, and also to science and chemistry."

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## A Beauty Bath for Every Home

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Pure water and Pears' Soap—nothing more is required. With these you can accomplish all that is possible in the way of beautifying the skin. Pears softens, purifies, and sanitises the skin, making it of a natural pink and white colour. More than all the cosmetics in the world, Pears is the special beautifier of the complexion.

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